


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER FEDERAL 1022-27H		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT NATURAL BUTTES		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				7. OPERATOR PHONE 720 929-6587		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL mary.mondragon@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0473		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1597 FNL 1182 FEL	SENE	27	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	1597 FNL 1182 FEL	SENE	27	10.0 S	22.0 E	S
At Total Depth	1597 FNL 1182 FEL	SENE	27	10.0 S	22.0 E	S
21. COUNTY Uintah		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1182		23. NUMBER OF ACRES IN DRILLING UNIT 640		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2000		26. PROPOSED DEPTH MD: 8300 TVD:		
27. ELEVATION - GROUND LEVEL 5442		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Water permit # 43-8496		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Kevin McIntyre		TITLE Regulatory Analyst I		PHONE 720 929-6226		
SIGNATURE		DATE 09/15/2008		EMAIL Kevin.McIntyre@anadarko.com		
API NUMBER ASSIGNED 43047500960000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	8300		
Pipe	Grade	Length	Weight			
	Grade I-80 LT&C	8300	11.6			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	8300			
		Cement Description	Class	Sacks	Yield	Weight
			Premium Lite High Strength	380	3.38	11.0
			Pozzuolanic Cement	1350	1.31	14.3

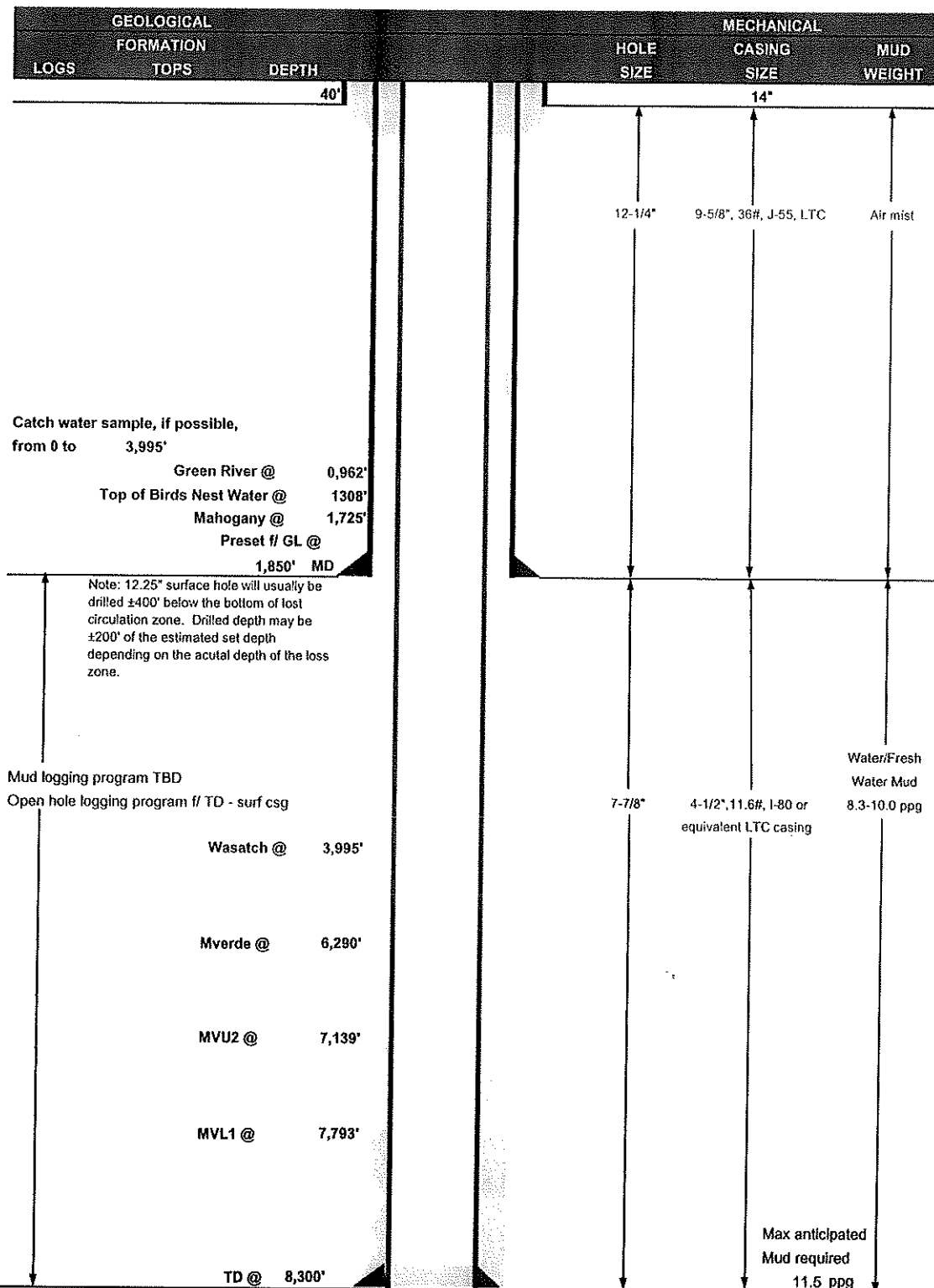
Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	1850		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	1850	36.0			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	1850			
		Cement Description	Class	Sacks	Yield	Weight
			Premium Foamed Cement	215	1.18	15.6
			Premium Foamed Cement	50	1.18	15.6



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 23, 2008
 WELL NAME Federal 1022-27H TD 8,300' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,442' GL KB 5,457'
 SURFACE LOCATION SENE 1597' FNL & 1182' FEL, SEC.27, T10S, R22E BHL Straight Hole
 Latitude: 39.922728 Longitude: -109.420058 NAD 27
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS and SURFACE), UDOGM, Tri-County Health Dept.



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 1850	36.00	J-55	LTC	1.12	2.33	8.66
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8300	11.60	I-80	LTC	2.48	1.28	2.39

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoys.Fact. of water)
- MASP 3320 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps floccle				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + .25 pps floccle				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
			+ .25 pps Floccle + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps floccle				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,490'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	380	60%	11.00	3.38
	TAIL	4,810'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1350	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL. if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE: _____

DRILLING SUPERINTENDENT:

Randy Bayne Federal 1022-27H.xls

DATE: _____

**Federal 1022-27H
SENE Sec. 27, T10S,R22E
UINTAH COUNTY, UTAH
UTU-0473**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	962'
Bird's Nest	1308'
Mahogany	1725'
Wasatch	3995'
Mesaverde	6290'
MVU2	7139'
MVL1	7793'
TD	8300'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	962'
	Bird's Nest	1308'
	Mahogany	1725'
Gas	Wasatch	3995'
Gas	Mesaverde	6290'
Gas	MVU2	7139'
Gas	MVL1	7793'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8300' TD, approximately equals 5146 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3320 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

*Please see Natural Buttes Unit SOP Onshore Order #2 – Air Drilling Variance
Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2*

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet.

The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped

and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling

operation does not encounter productive formations.

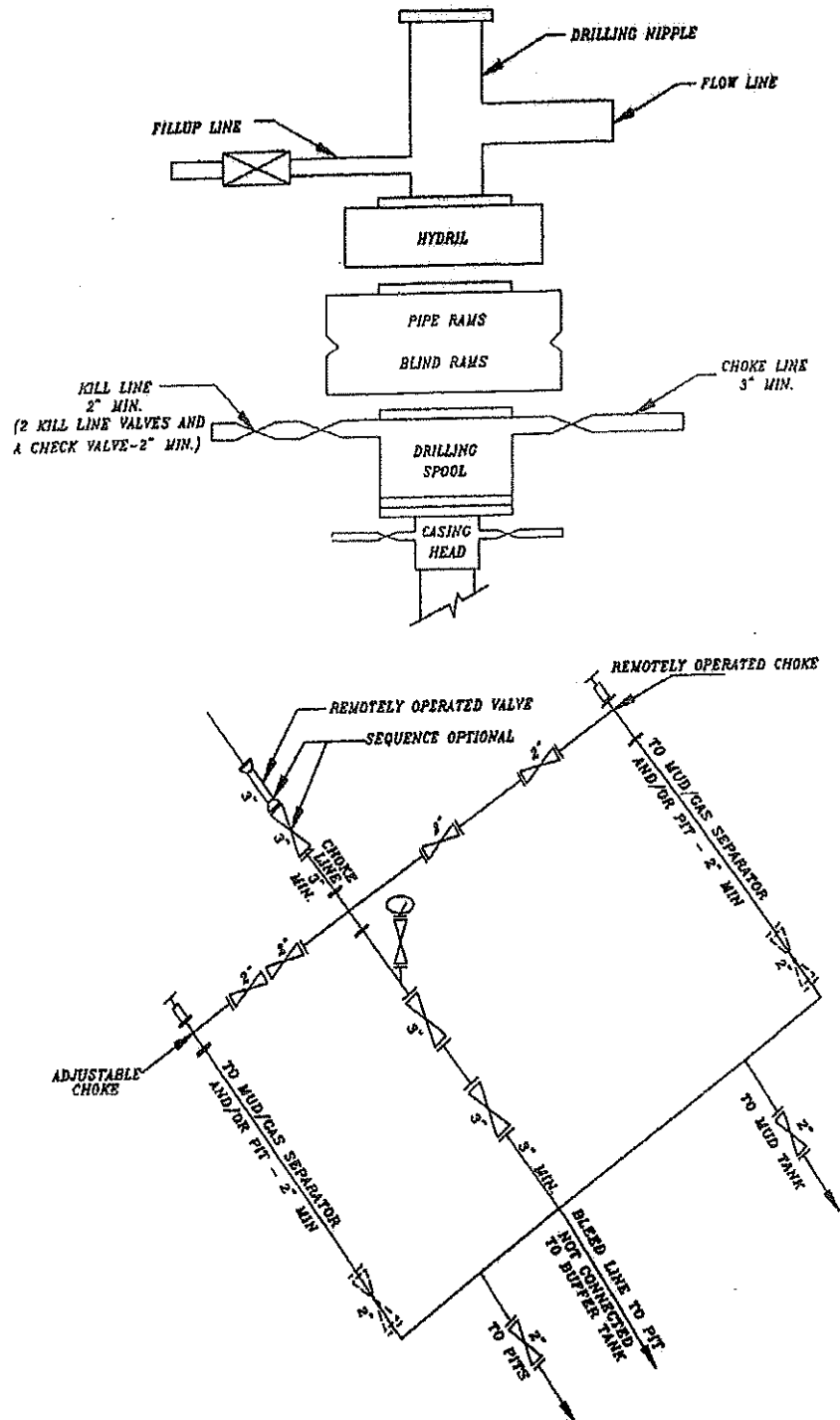
Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above..

10. Other Information:

Please see Natural Buttes Unit SOP.

EXHIBIT A

SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

**Federal 1022-27H
SENE Sec. 27,T10S,R22E
UINTAH COUNTY, UTAH
UTU-0473**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Approximately 0.15 mi. +/- of new access road is proposed. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipelines.

A 751' rights-of-way will be required. Approximately 751' of 4" steel pipeline is proposed from the location to the tie-in point in Section 27, T10S, R22E. Please refer to the Topo Map D. The pipeline will be constructed utilizing existing rights were possible and pulled into place using a rubber tired tractor. The pipeline will be butt-welded together.

Variances to Best Management Practices (BMPs) Requested:

Approximately 751' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of **40 mil doublefelt**, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. Ancillary Facilities:

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

Shadscale	8 lbs.
Black Sagebrush	8 lbs.
Galleta Grass	4 lbs.
Indian Ricegrass	4 lbs.
Needle and Thread Grass	4 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. **Surface/Mineral Ownership:**

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Stipulations/Notices/Mitigation:

Red Tail Hawk Restriction – No construction March 15th to August 15th

Low profile tanks will be required (shadow gray color).

Proximity to creeks, ponds, or lakes: Bitter Creek.

13. Other Information:

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operator's Representative & Certification:

Kevin McIntyre
Regulatory Analyst I
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

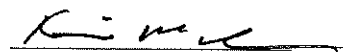
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Kevin McIntyre

8/23/2008

Date

Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1022-27H

SECTION 27, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1022-26D TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 180' TO THE PROPOSED #1022-26D AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1022-27A TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED #1022-27A AND THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 57.25 MILES.

Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1022-27H

LOCATED IN UTAH COUNTY, UTAH

SECTION 27, T10S, R22E, S1.B.&M.

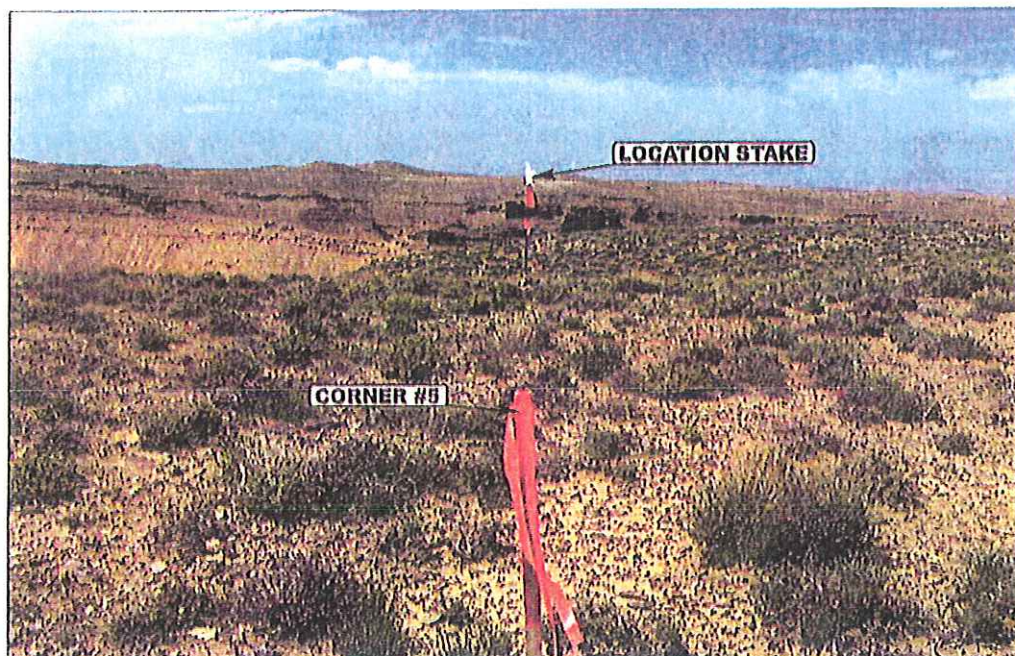


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



• Since 1964 •

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

05 01 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00

T10S, R22E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

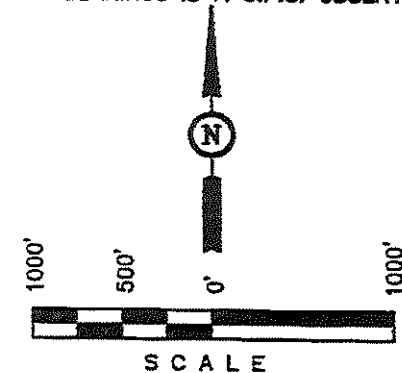
Well location, FEDERAL #1022-27H, located as shown in the SE 1/4 NE 1/4 of Section 27, T10S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

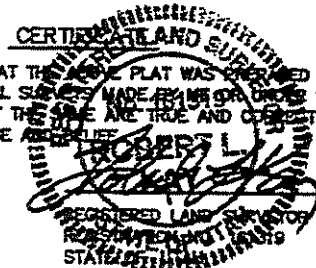
TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

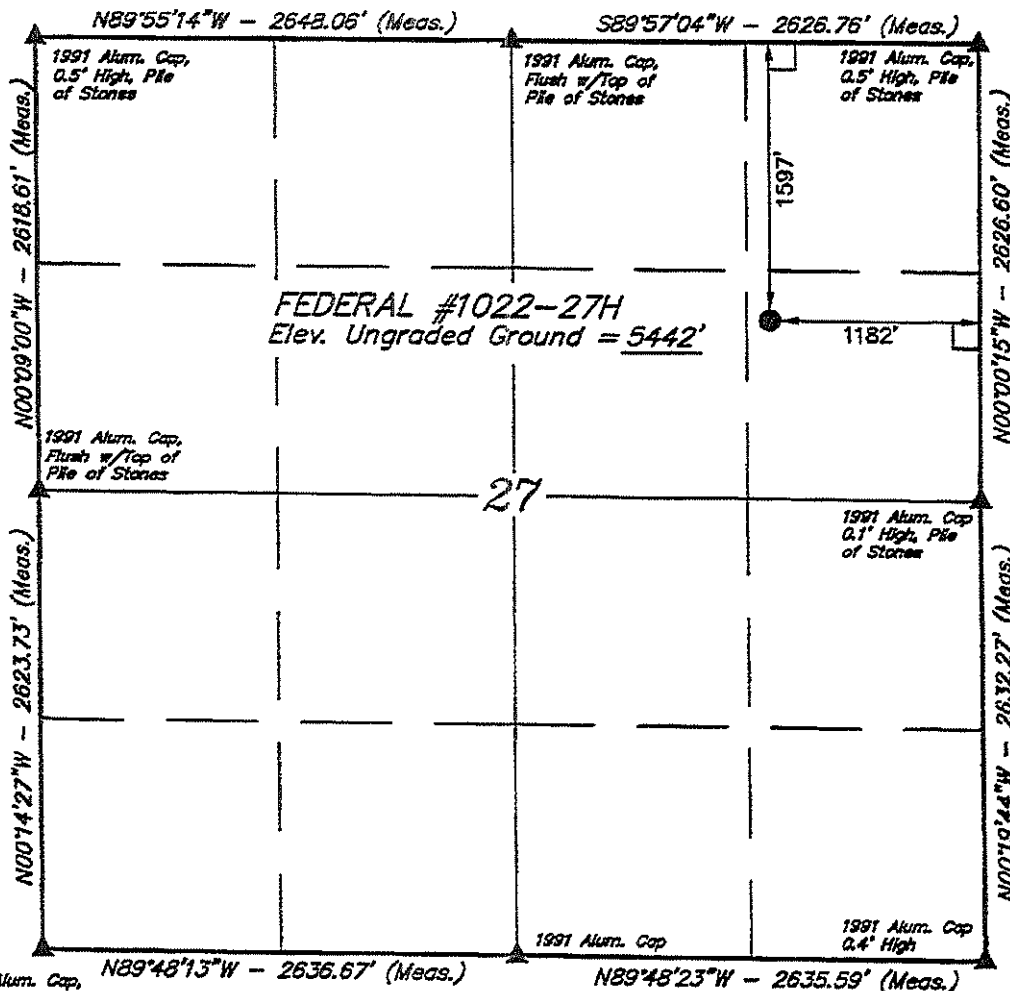


THIS IS TO CERTIFY THAT THE G.L.O. PLAT WAS DERIVED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-30-07	DATE DRAWN: 05-03-07
PARTY L.K. J.A. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	



1991 Alum. Cap,
0.5' High, Pile
of Stones

LEGEND:

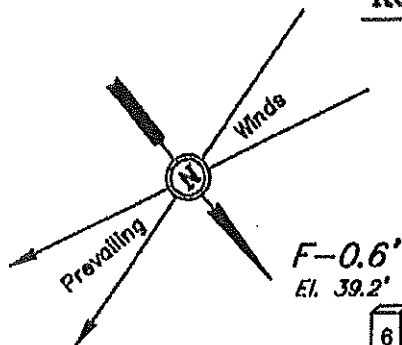
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°55'21.70" (39.922694)
LONGITUDE = 109°25'14.66" (109.420739)
(NAD 27)
LATITUDE = 39°55'21.82" (39.922728)
LONGITUDE = 109°25'12.21" (109.420058)

Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

FEDERAL #1022-27H
SECTION 27, T10S, R22E, S.L.B.&M.
1597' FNL 1182' FEL

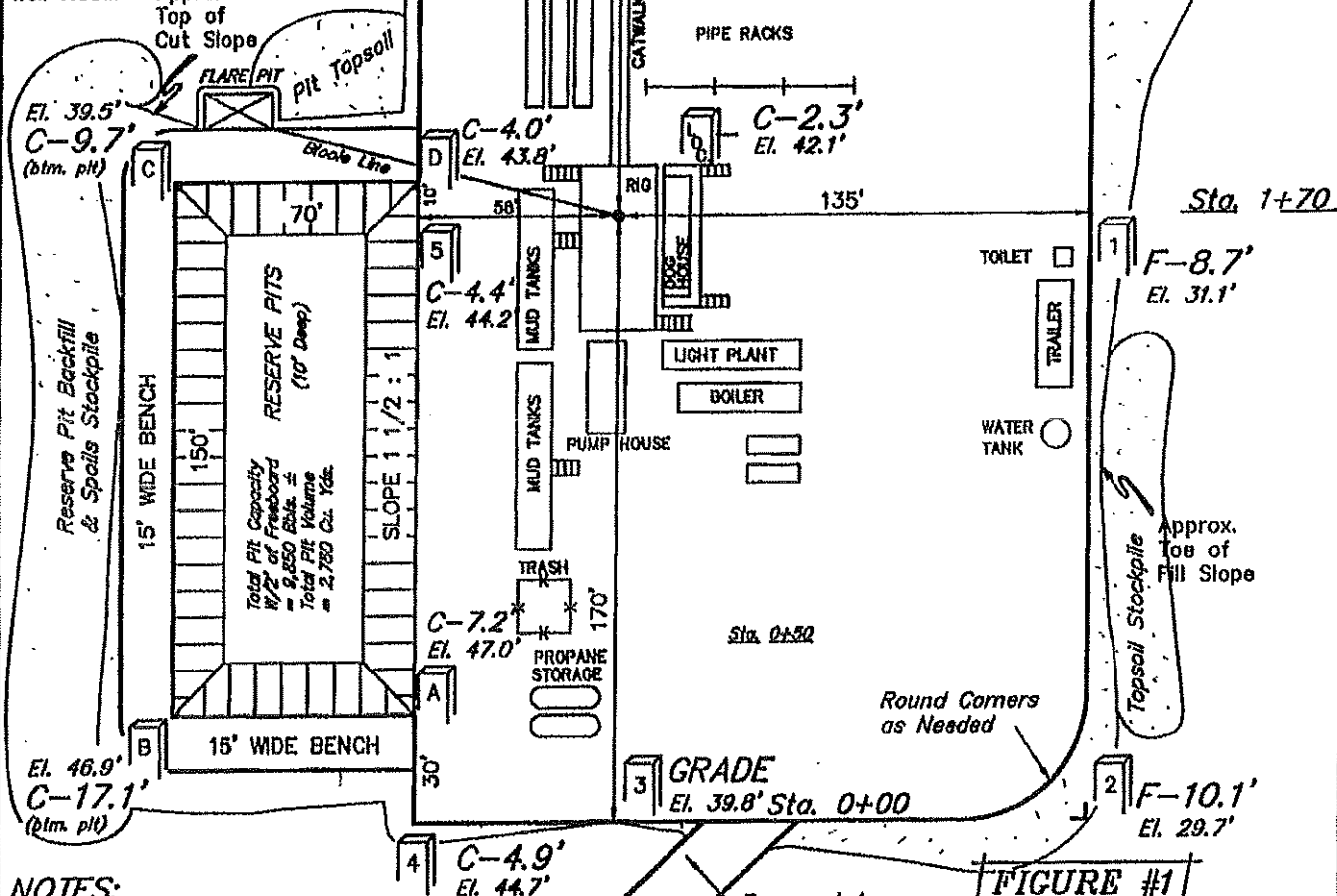


SCALE: 1" = 50'
DATE: 05-03-07
Drawn By: C.H.

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.

Approx.
Top of
Cut Slope

**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5442.1'
FINISHED GRADE ELEV. AT LOC. STAKE = 5439.8'

Proposed Access
Road

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85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

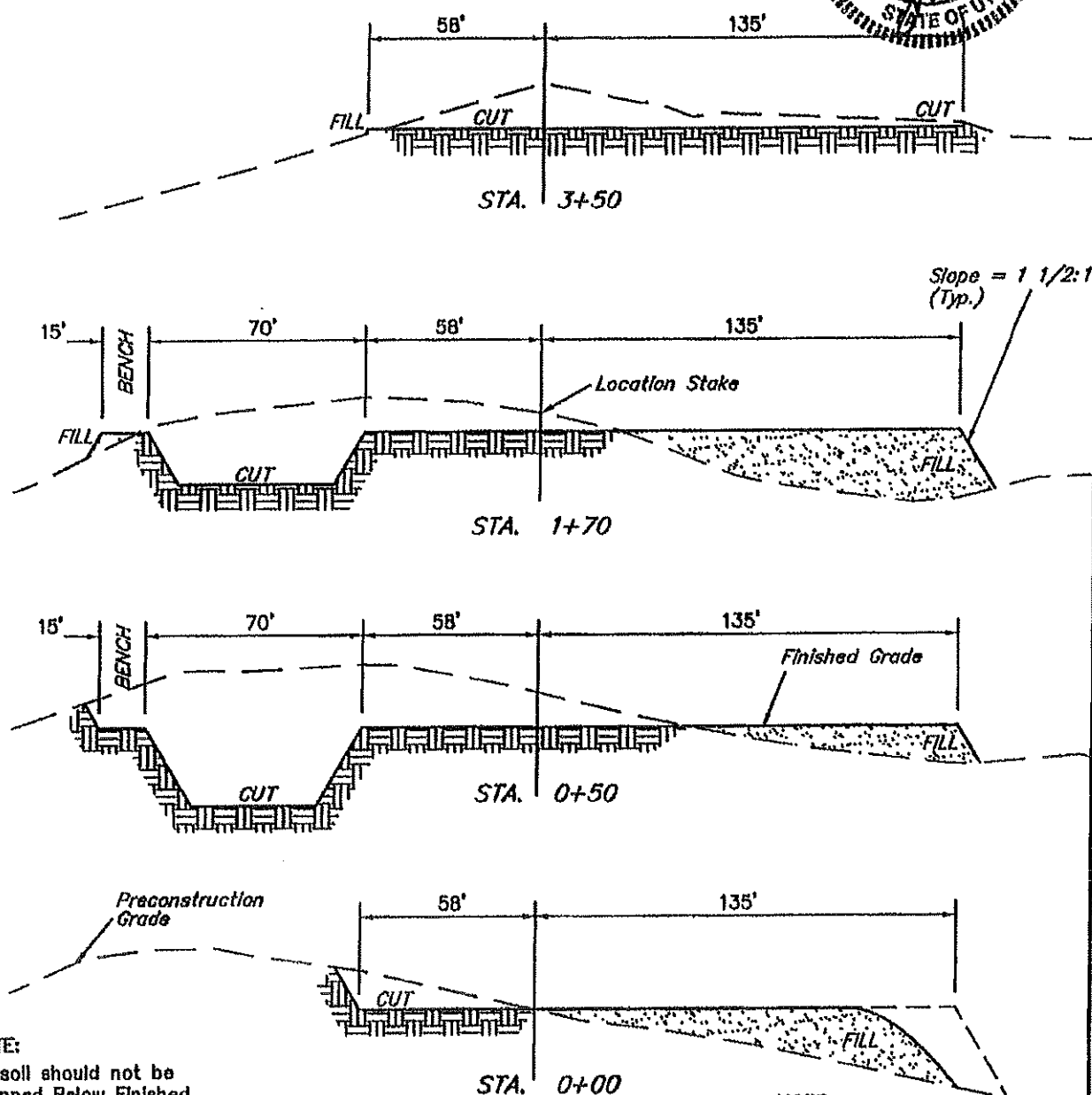
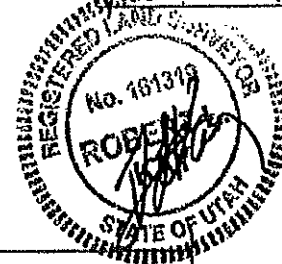
FIGURE #1

Kerr-McGee Oil & Gas Onshore LP**FIGURE #2****TYPICAL CROSS SECTIONS FOR**

FEDERAL #1022-27H
SECTION 27, T10S, R22E, S.L.B.&M.
1597' FNL 1182' FEL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 05-03-07
Drawn By: C.H.

**NOTE:**

Topsoll should not be
Stripped Below Finished
Grade on Substructure Area.

*** NOTE:**

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoll Stripping = 1,740 Cu. Yds.
Remaining Location = 9,080 Cu. Yds.
TOTAL CUT = 10,820 CU.YDS.
FILL = 7,690 CU.YDS.

EXCESS MATERIAL = 3,130 Cu. Yds.
Topsoll & Pit Backfill = 3,130 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

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Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1022-27H

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 27, T10S, R22E, S.L.B.&M.



PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY



• Since 1964 •

**U
E
L
S**

Uintah Engineering & Land Surveying

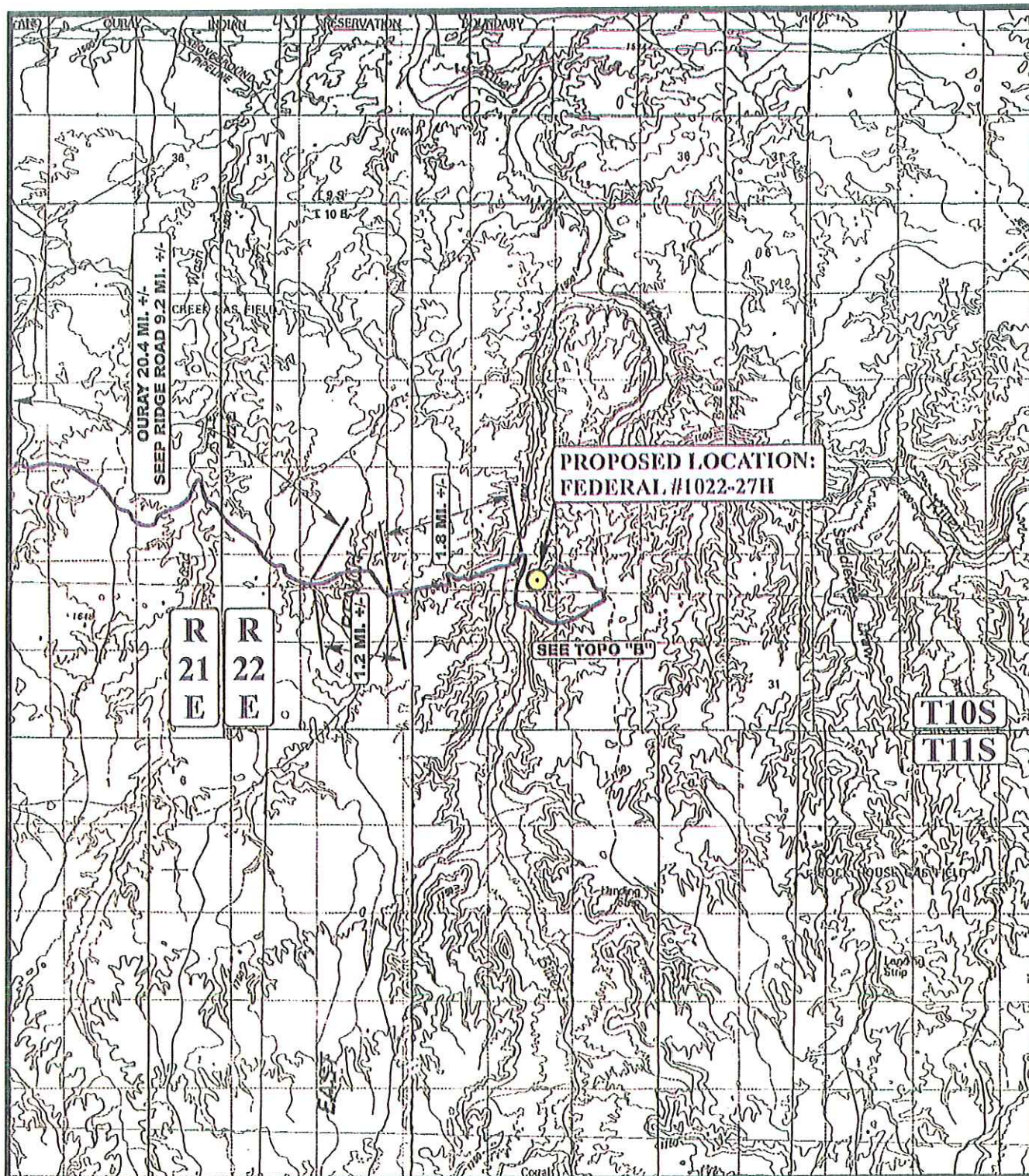
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

05 **01** **07**
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K. | DRAWN BY: C.P. | REVISED: 00-00-00



LEGEND:

● PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1022-27H

SECTION 27, T10S, R22E, S.L.B.&M.

1597' FNL 1182' FEL



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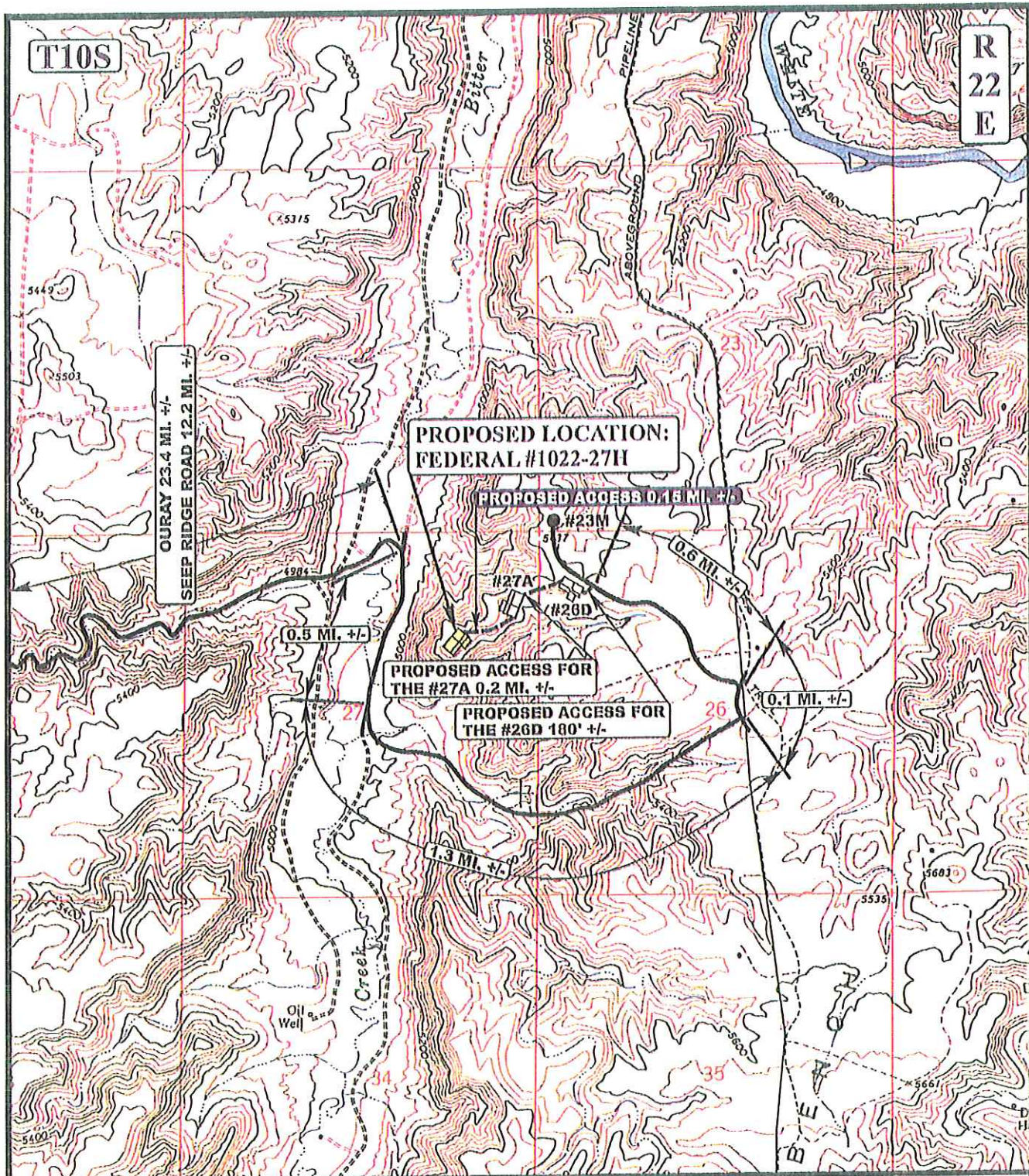


TOPOGRAPHIC
MAP

05 01 07
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

— EXISTING ROAD
- - - PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1022-27H
SECTION 27, T10S, R22E, S.L.B.&M.
1597' FNL 1182' FEL



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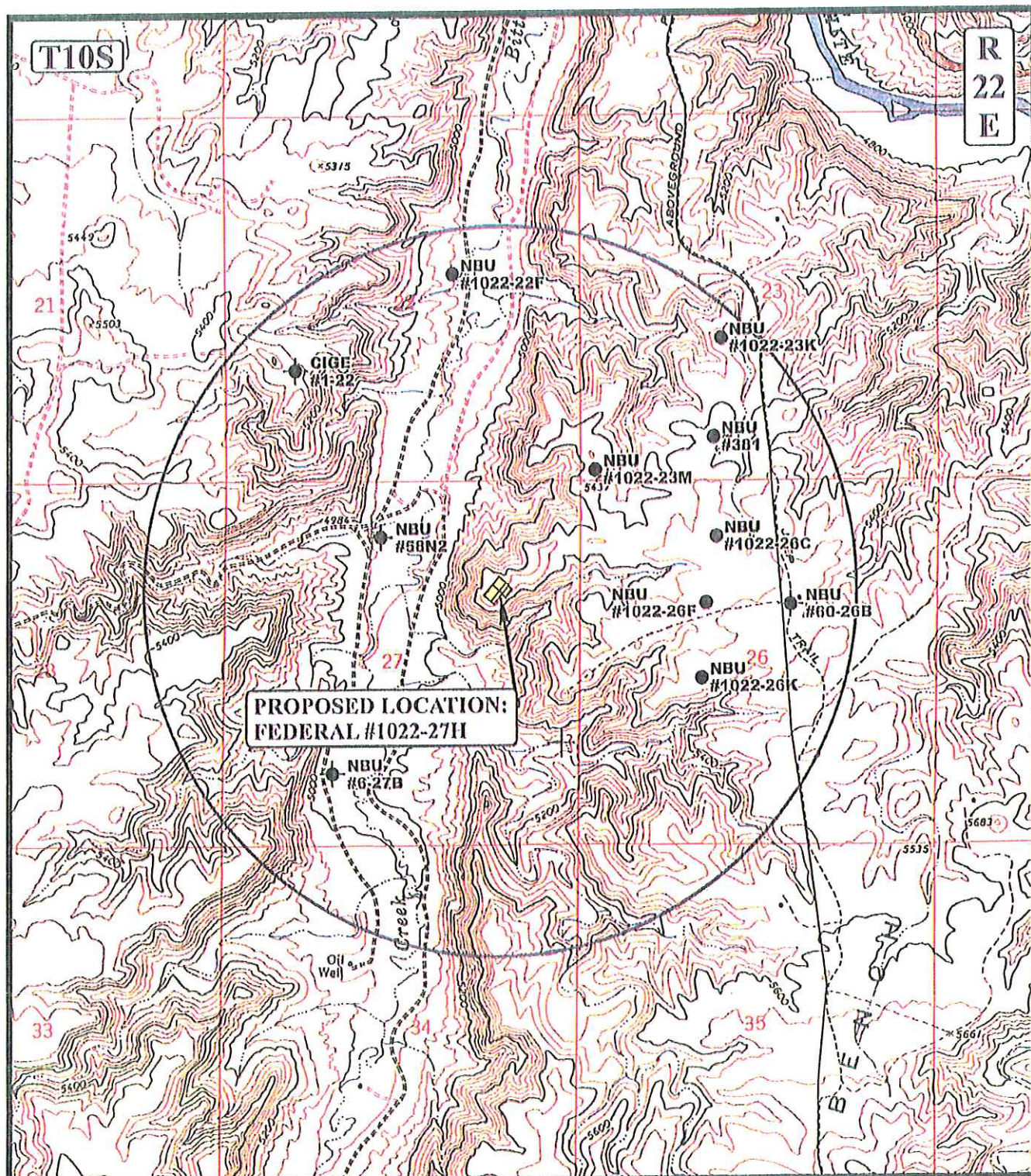


TOPOGRAPHIC
MAP

05 **01** **07**
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
TOPO

**LEGEND:**

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

**Kerr-McGee Oil & Gas Onshore LP**

FEDERAL #1022-27H
SECTION 27, T10S, R22E, S.L.B.&M.
1597' FNL 1182' FEL



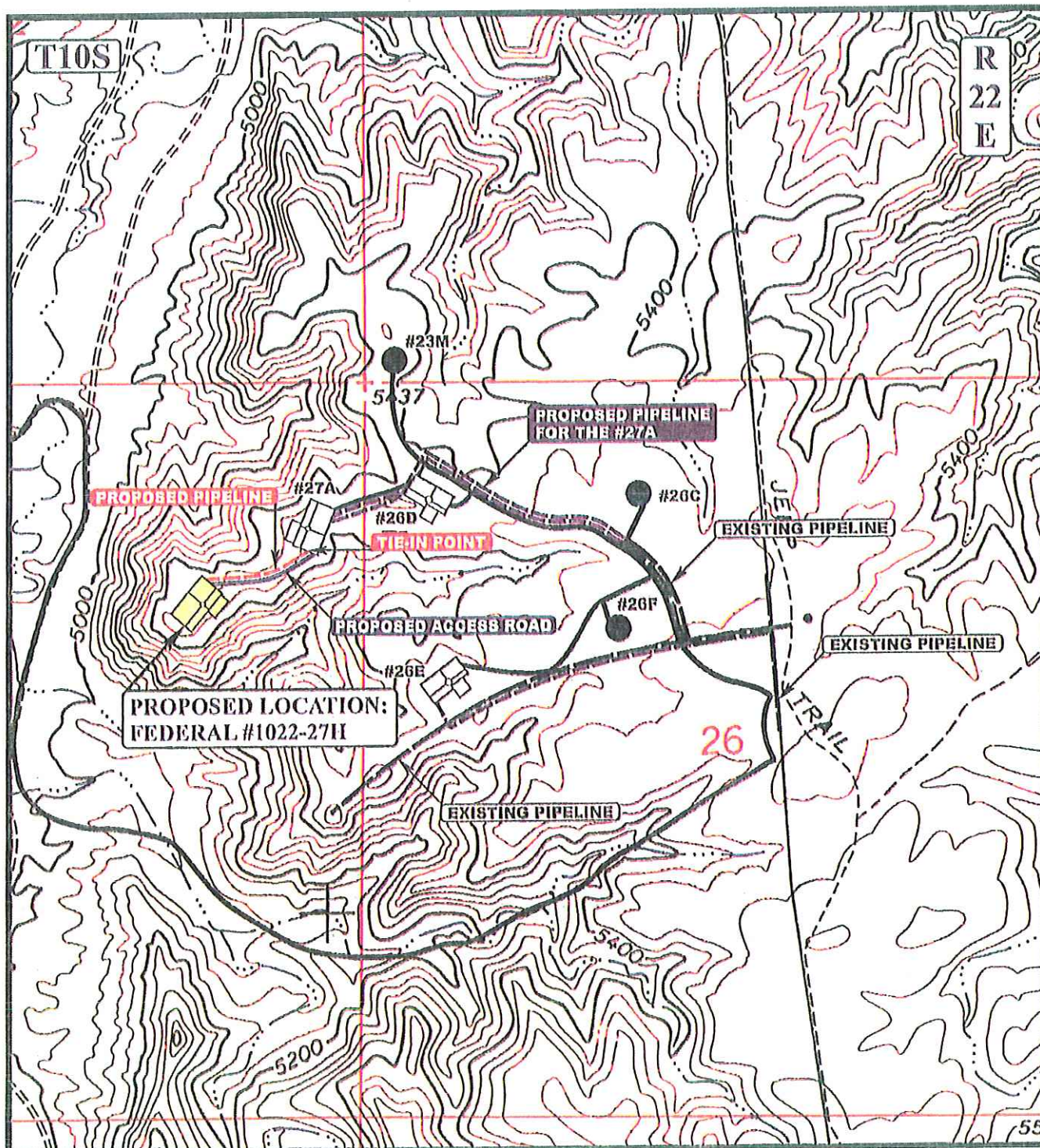
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 01 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

C
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 751' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1022-27H
SECTION 27, T10S, R22E, S.L.B.&M.
1597' FNL 1182' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 01 07
MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: C.P.

REVISED: 00-00-00



CAUSE: 173-14 / 12-2-1999

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

-  GAS INJECTION
-  GAS STORAGE
-  LOCATION ABANDONED
-  NEW LOCATION
-  PLUGGED & ABANDONED
-  PRODUCING GAS
-  PRODUCING OIL
-  SHUT-IN GAS
-  SHUT-IN OIL
-  TEMP. ABANDONED
-  TEST WELL
-  WATER INJECTION
-  WATER SUPPLY
-  WATER DISPOSAL
-  DRILLING



PREPARED BY: DIANA MASON
DATE: 26-AUGUST-2008

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/23/2008

API NO. ASSIGNED: 43047500960000

WELL NAME: Federal 1022-27H

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

PHONE NUMBER: 720 929-6226

CONTACT: Kevin McIntyre

PROPOSED LOCATION: SENE 27 100S 220E

Permit Tech Review: ☒

SURFACE: 1597 FNL 1182 FEL

Engineering Review: ☐

BOTTOM: 1597 FNL 1182 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 39.92275

LONGITUDE: -109.41998

UTM SURF EASTINGS: 635029.00

NORTHINGS: 4420169.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0473

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ **PLAT**

☒ **Bond:** FEDERAL - WYB000291

☐ **Potash**

☒ **Oil Shale 190-5**

☐ **Oil Shale 190-3**

☐ **Oil Shale 190-13**

☒ **Water Permit:** Water permit # 43-8496

☐ **RDCC Review:**

☐ **Fee Surface Agreement**

☐ **Intent to Commingle**

LOCATION AND SITING:

☐ **R649-2-3.**

Unit:

☐ **R649-3-2. General**

☐ **R649-3-3. Exception**

☒ **Drilling Unit**

Board Cause No: 173-14

Effective Date: 12/22/1999

Siting: 460' fr u bdry & uncomm. tract

☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: FEDERAL 1022-27H
API Well Number: 43047500960000
Lease Number: UTU-0473
Surface Owner: FEDERAL
Approval Date: 9/15/2008

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P. , P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of CAUSE: 173-14.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

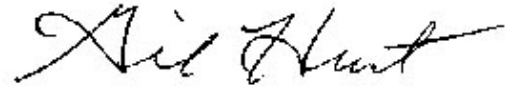
Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

Reporting Requirements:

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:

A handwritten signature in black ink, appearing to read "Gil Hunt". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gil Hunt
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: FEDERAL 1022-27H			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1597 FNL 1182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047500960000			
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/7/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.					
<div style="text-align: right;"> Approved by the Utah Division of Oil, Gas and Mining </div>		Date: September 03, 2009			
By:					
NAME (PLEASE PRINT) Danielle Piernot		PHONE NUMBER 720 929-6156			
SIGNATURE N/A		TITLE Regulatory Analyst			
		DATE 9/3/2009			



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047500960000

API: 43047500960000

Well Name: FEDERAL 1022-27H

Location: 1597 FNL 1182 FEL QTR SENE SEC 27 TWNP 100S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 9/15/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Danielle Piernot

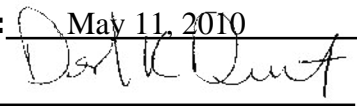
Date: 9/3/2009

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: September 03, 2009

By: 

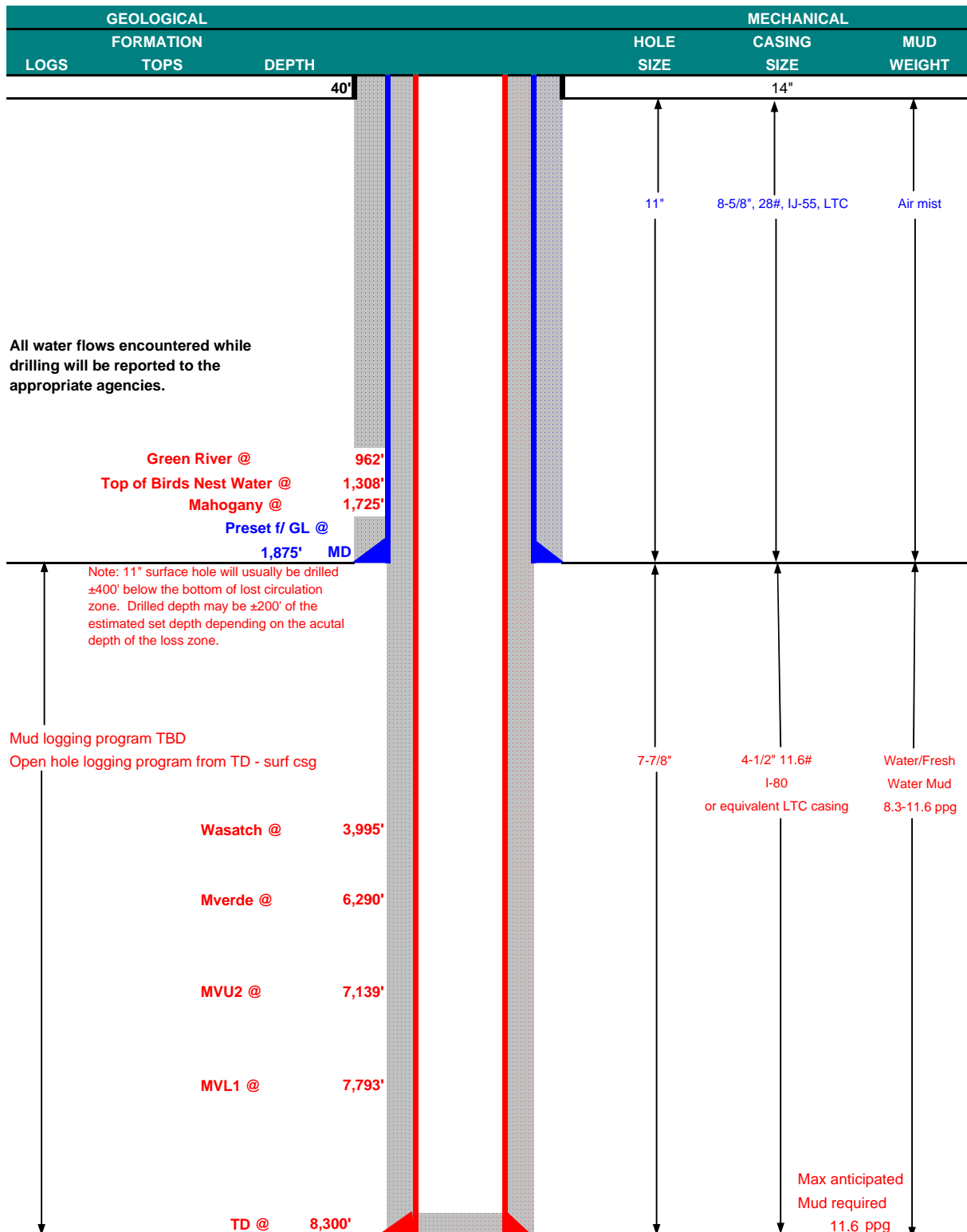
RECEIVED September 03, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: FEDERAL 1022-27H			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1597 FNL 1182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047500960000			
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/17/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8" due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.					
Accepted by the Utah Division of Oil, Gas and Mining Date: May 11, 2010 By: 					
NAME (PLEASE PRINT) Danielle Piernot		PHONE NUMBER 720 929-6156			
TITLE Regulatory Analyst		DATE 5/6/2010			
SIGNATURE N/A					



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE May 6, 2010
 WELL NAME Federal 1022-27H TD 8,300' MD/TVD _____
 FIELD Natural Buttes COUNTY Uintah STATE Utah FINISHED ELEVATION 5,440'
 SURFACE LOCATION SE/4 NE/4 1,597' FNL 1,182' FEL Sec 27 T 10S R 22E BHL Straight Hole
 Latitude: 39.922694 Longitude: -109.420739 NAD 83 _____
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), BLM (SURFACE), UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	348,000
SURFACE	8-5/8"	0 to 1875	28.00	IJ-55	LTC	1.07	2.14	6.56
PRODUCTION	4-1/2"	0 to 8300	11.60	I-80	LTC	2.45	1.27	2.39

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above.

D.F. = 2.87

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg)

0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3,087 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg)

0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 4,913 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
			+ .25 pps flocele				
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	40		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	140	35%	11.00	3.82
			+ .25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	150	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,490'	Premium Lite II + 3% KCl + 0.25 pps	310	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,810'	50/50 Poz/G + 10% salt + 2% gel	1,350	60%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip.

Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

DATE:

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT:

DATE:

John Merkel / Loyd Young

Federal 022-274-1 Drilling Program-updated 050610.xls

RECEIVED May 06, 2010

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L. P.

Well Name: FEDERAL 1022-27H

Api No: 43-047-50096 Lease Type: FEDERAL

Section 27 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 05/19/2010

Time 3:00 PM

How DRY

Drilling will Commence: _____

Reported by GARRETT EATON

Telephone # (435) 219-1439

Date 05/20/2010 Signed CHD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: FEDERAL 1022-27H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1597 FNL 1182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047500960000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
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<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/19/2010	<input type="checkbox"/> CASING REPAIR	
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	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CMT W/28 SX READY MIX SPUD WELL LOCATION ON MAY 19, 2010 AT 14:00 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 24, 2010		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 5/20/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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COUNTY: UTAH		STATE: UTAH
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	<input type="checkbox"/> OTHER:	
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SIGNATURE N/A	DATE 5/20/2010	

<div>STATE OF UTAH</div> <div>DEPARTMENT OF NATURAL RESOURCES</div> <div>DIVISION OF OIL, GAS, AND MINING</div>		<div>FORM 9</div> <div>5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473</div>	
<div>SUNDRY NOTICES AND REPORTS ON WELLS</div> <div>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</div>		<div>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</div> <div>7.UNIT or CA AGREEMENT NAME:</div>	
<div>1. TYPE OF WELL</div> <div>Gas Well</div>		<div>8. WELL NAME and NUMBER:</div> <div>FEDERAL 1022-27H</div>	
<div>2. NAME OF OPERATOR:</div> <div>KERR-MCGEE OIL & GAS ONSHORE, L.P.</div>		<div>9. API NUMBER:</div> <div>43047500960000</div>	
<div>3. ADDRESS OF OPERATOR:</div> <div>P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779</div>		<div>PHONE NUMBER:</div> <div>720 929-6007 Ext</div>	<div>9. FIELD and POOL or WILDCAT:</div> <div>NATURAL BUTTES</div>
<div>4. LOCATION OF WELL</div> <div>FOOTAGES AT SURFACE:</div> <div>1597 FNL 1182 FEL</div> <div>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</div> <div>Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S</div>		<div>COUNTY:</div> <div>UINTAH</div>	
<div>STATE:</div> <div>UTAH</div>			
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<div>TYPE OF SUBMISSION</div>		<div>TYPE OF ACTION</div>	
<div><input type="checkbox"/> NOTICE OF INTENT</div> <div>Approximate date work will start:</div> <div><input type="checkbox"/> SUBSEQUENT REPORT</div> <div>Date of Work Completion:</div> <div><input type="checkbox"/> SPUD REPORT</div> <div>Date of Spud:</div> <div><input checked="" type="checkbox"/> DRILLING REPORT</div> <div>Report Date:</div> <div>5/24/2010</div>		<div><input type="checkbox"/> ACIDIZE</div> <div><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div><input type="checkbox"/> CHANGE WELL STATUS</div> <div><input type="checkbox"/> DEEPEN</div> <div><input type="checkbox"/> OPERATOR CHANGE</div> <div><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div><input type="checkbox"/> TUBING REPAIR</div> <div><input type="checkbox"/> WATER SHUTOFF</div> <div><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div><input type="checkbox"/> ALTER CASING</div> <div><input type="checkbox"/> CHANGE TUBING</div> <div><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div><input type="checkbox"/> FRACTURE TREAT</div> <div><input type="checkbox"/> PLUG AND ABANDON</div> <div><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div><input type="checkbox"/> VENT OR FLARE</div> <div><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div><input type="checkbox"/> OTHER</div> <div><input type="checkbox"/> CASING REPAIR</div> <div><input type="checkbox"/> CHANGE WELL NAME</div> <div><input type="checkbox"/> CONVERT WELL TYPE</div> <div><input type="checkbox"/> NEW CONSTRUCTION</div> <div><input type="checkbox"/> PLUG BACK</div> <div><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div><input type="checkbox"/> TEMPORARY ABANDON</div> <div><input type="checkbox"/> WATER DISPOSAL</div> <div><input type="checkbox"/> APD EXTENSION</div> <div>OTHER:</div>	
<div>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</div> <div>MIRU PROPETRO AIR RIG ON MAY 23, 2010. DRILLED 11" SURFACE HOLE TO 1900'. RAN 8 5/8" 28# IJ-55 SURFACE CSG. PUMP 140 BBLS FRESH WATER. PUMP 20 BBLS GEL WATER. LEAD CEMENT W/ 170 SX CLASS G HI FILL @ 11.0 PPG, 3.82 YD. TAILED CEMENT W/ 200 SX CLASS G PREM LITE @ 15.0 PPG, 1.15 YD. DROP PLUG ON THE FLY, DISPLACED W/ 113 BBLS WATER. 15 BBLS LEAD TO SURFACE W/ 500 PSI OF LIFT @ 5 BBS/MIN. LAND PLUG 1000 PSI & FLOAT HELD. TOP OUT W/ 100 SX SAME CEMENT DOWN 1". NO CEMENT - WAIT 2 HRS & TOP OUT #2 W/ 100 SX SAME CEMENT. CEMENT TO SURFACE. WORT.</div>			
<div>NAME (PLEASE PRINT)</div> <div>Andy Lytle</div>		<div>PHONE NUMBER</div> <div>720 929-6100</div>	<div>TITLE</div> <div>Regulatory Analyst</div>
<div>SIGNATURE</div> <div>N/A</div>		<div>DATE</div> <div>5/25/2010</div>	

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-0473

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL

Gas Well

8. WELL NAME and NUMBER:

FEDERAL 1022-27H

2. NAME OF OPERATOR:

KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:

43047500960000

3. ADDRESS OF OPERATOR:

P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:

720 929-6007 Ext

9. FIELD and POOL or WILDCAT:

NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

1597 FNL 1182 FEL

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S

COUNTY:

UINTAH

STATE:

UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
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<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/20/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1900' TO 8500' ON AUGUST 18, 2010. RAN 4 ½" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 403 SX CLASS G PREM LITE @ 12.1 PPG, 2.23 YD. TAILED CEMENT W/ 1150 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 131.4 BBLS WATER, BUMPED PLUG @ 3000 PSI, FLOATS HELD. 20 BBLS LEAD BACK TO SURFACE. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON AUGUST 20, 2010 @ 20:00 HRS.

Accepted by the

Utah Division of

Oil, Gas and Mining

FOR RECORD ONLY

August 23, 2010

NAME (PLEASE PRINT)

Andy Lytle

PHONE NUMBER

720 929-6100

TITLE

Regulatory Analyst

SIGNATURE

N/A

DATE

8/23/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: FEDERAL 1022-27H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1597 FNL 1182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047500960000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/4/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON SEPTEMBER 4, 2010 AT 11:00 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 07, 2010		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/7/2010	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. UTU473		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE			Contact: ANDY LYTLE Email: andrew.lytle@anadarko.com		
3. Address P.O. BOX 173779 DENVER, CO 80217			3a. Phone No. (include area code) Ph: 720-929-6100		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 1597FNL 1182FEL 39.92269 N Lat, 109.42074 W Lon At top prod interval reported below SENE 1597FNL 1182FEL 39.92269 N Lat, 109.42074 W Lon At total depth SENE 1597FNL 1182FEL 39.92269 N Lat, 109.42074 W Lon			8. Lease Name and Well No. FEDERAL 1022-27H		
14. Date Spudded 05/19/2010			15. Date T.D. Reached 08/18/2010		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/04/2010			9. API Well No. 43-047-50096		
18. Total Depth: MD 8500 TVD 8497.6			19. Plug Back T.D.: MD 8452 TVD 8449.8		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory NATURAL BUTTES		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COR/CBL-HDIL/ZDL/CNGR-BOREHOLE PROFILE LOG			11. Sec., T., R., M., or Block and Survey or Area Sec 27 T10S R22E Mer SLB		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			12. County or Parish UINTAH		
23. Casing and Liner Record (Report all strings set in well)			13. State UT		
17. Elevations (DF, KB, RT, GL)* 5440 GL			11. Sec., T., R., M., or Block and Survey or Area Sec 27 T10S R22E Mer SLB		

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
11.000	8.625 J55	28.0		1884		570			
7.875	4.500 I80	11.6		8496		1553			

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7600							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	4976	5967	4976 TO 5967	0.360	48	OPEN
B) MESAVERDE	6775	7875	6775 TO 7875	0.360	96	OPEN
C)						
D)						

Depth Interval	Amount and Type of Material
4976 TO 7875	PUMP 5,040 BBLs SLICK H2O & 181,902 LBS 30/50 SAND.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/04/2010	09/08/2010	24	→	0.0	1546.0	288.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI	1700.0	→	0	1546	288		PGW	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #94595 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

RECEIVED

OCT 19 2010

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(*Sold, used for fuel, vented, etc.*)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER BIRD'S NEST MAHOGANY WASATCH MESAVERDE	1026 1306 1711 4011 6229	8500	TD		

32. Additional remarks (include plugging procedure):

ATTACHED IS THE DRILLING/COMPLETION CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY. COMPLETION CHRONO DETAILS INDIVIDUAL FRAC STAGES.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #94595 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (*please print*) ANDY LYTLE

Title REGULATORY ANALYST

Signature  (Electronic Submission)

Date 10/12/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: FEDERAL 1022-27H
Well: FEDERAL 1022-27H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well FEDERAL 1022-27H
TVD Reference: GL 5439.8 & RKB 14' @ 5453.80ft (PIONEER 69)
MD Reference: GL 5439.8 & RKB 14' @ 5453.80ft (PIONEER 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM5000-RobertS-Local

Project Uintah County, UT UTM12

Map System: Universal Transverse Mercator (US Survey Feet) **System Datum:** Mean Sea Level
Geo Datum: NAD 1927 - Western US
Map Zone: Zone 12N (114 W to 108 W)

Site FEDERAL 1022-27H, SEC 27 T10S R22E

Site Position: **From:** Lat/Long **Northing:** 14,501,827.30 usft **Latitude:** 39° 55' 21.820 N
Eastng: 2,083,400.80 usft **Longitude:** 109° 25' 12.210 W
Position Uncertainty: 0.00 ft **Slot Radius:** 13.200 in **Grid Convergence:** 1.01 °

Well FEDERAL 1022-27H, 1597' FNL 1182' FWL

Well Position **+N/-S** 0.00 ft **Northing:** 14,501,827.30 usft **Latitude:** 39° 55' 21.820 N
+E/-W 0.00 ft **Easting:** 2,083,400.80 usft **Longitude:** 109° 25' 12.210 W
Position Uncertainty 0.00 ft **Wellhead Elevation:** ft **Ground Level:** 5,439.80 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/11/2010	11.14	65.84	52,378

Design OH

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	136.10

Survey Program **Date** 09/07/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
14.00	1,874.00	Survey #1-Surface (OH)	INC	Inclinometer (Totco/Teledrift)
1,912.00	8,447.00	Survey #2-Production (OH)	MWD SDI	MWD - Standard ver 1.0.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,874.00	1.40	0.00	1,873.72	0.00	0.00	0.00	0.00	0.00	0.00
1,912.00	1.73	186.85	1,911.71	-0.11	-0.07	0.03	8.22	0.87	-455.66
FIRST SDI PRODUCTION MWD SURVEY									
2,197.00	2.38	184.66	2,196.53	-10.27	-1.06	6.67	0.23	0.23	-0.77
2,481.00	2.15	175.09	2,480.30	-21.46	-1.09	14.71	0.16	-0.08	-3.37
2,765.00	2.11	178.22	2,764.11	-31.99	-0.47	22.73	0.04	-0.01	1.10
3,050.00	2.20	171.80	3,048.91	-42.65	0.48	31.07	0.09	0.03	-2.25
3,303.00	2.19	173.39	3,301.72	-52.26	1.73	38.86	0.02	0.00	0.63

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: FEDERAL 1022-27H
Well: FEDERAL 1022-27H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well FEDERAL 1022-27H
TVD Reference: GL 5439.8 & RKB 14' @ 5453.80ft (PIONEER 69)
MD Reference: GL 5439.8 & RKB 14' @ 5453.80ft (PIONEER 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM5000-RobertS-Local

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,588.00	2.06	153.87	3,586.53	-62.27	4.61	48.07	0.26	-0.05	-6.85
3,882.00	1.27	120.10	3,880.41	-68.65	9.75	56.23	0.42	-0.27	-11.49
4,157.00	0.94	99.66	4,155.36	-70.55	14.61	60.97	0.19	-0.12	-7.43
4,441.00	1.22	117.98	4,439.31	-72.36	19.58	65.72	0.16	0.10	6.45
4,725.00	1.47	129.99	4,723.23	-76.12	25.04	72.22	0.13	0.09	4.23
5,010.00	1.80	139.79	5,008.12	-81.89	30.73	80.32	0.15	0.12	3.44
5,294.00	1.77	132.34	5,291.98	-88.25	36.85	89.15	0.08	-0.01	-2.62
5,578.00	1.95	144.25	5,575.83	-95.13	42.92	98.31	0.15	0.06	4.19
5,863.00	1.33	130.79	5,860.71	-101.22	48.26	106.40	0.25	-0.22	-4.72
6,146.00	1.74	122.15	6,143.61	-105.65	54.38	113.84	0.17	0.14	-3.05
6,431.00	1.91	133.91	6,428.47	-111.25	61.47	122.78	0.14	0.06	4.13
6,747.00	1.52	134.79	6,744.32	-117.85	68.23	132.24	0.12	-0.12	0.28
7,000.00	1.37	134.75	6,997.24	-122.35	72.76	138.61	0.06	-0.06	-0.02
7,284.00	1.40	151.28	7,281.16	-127.78	76.84	145.36	0.14	0.01	5.82
7,601.00	1.66	127.13	7,598.05	-133.95	82.36	153.63	0.22	0.08	-7.62
7,917.00	1.85	99.20	7,913.91	-137.53	91.05	162.23	0.27	0.06	-8.84
8,202.00	1.95	102.97	8,198.75	-139.35	100.31	169.97	0.06	0.04	1.32
8,447.00	3.68	131.30	8,443.46	-145.48	110.28	181.30	0.89	0.71	11.56

LAST SDI PRODUCTION MWD SURVEY
Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,912.00	1,911.71	-0.11	-0.07	FIRST SDI PRODUCTION MWD SURVEY
8,447.00	8,443.46	-145.48	110.28	LAST SDI PRODUCTION MWD SURVEY

Checked By: _____ Approved By: _____ Date: _____

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H			Spud Conductor: 5/19/2010			Spud Date: 5/23/2010				
Project: UTAH-UINTAH			Site: FEDERAL 1022-27H				Rig Name No: PIONEER 69/69, PROPETRO/			
Event: DRILLING			Start Date: 5/9/2010					End Date: 8/20/2010		
Active Datum: RKB @5,458.01ft (above Mean Sea Level)				UWI: FEDERAL 1022-27H						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation		
5/23/2010	6:00 - 9:00	3.00	DRLSUR	01	A	P		MIRU PREPARE TO SPUD		
	9:00 - 0:00	15.00	DRLSUR	02	B	P		DRILL F/ 40' - 1900' WOB 8-15 ROT 45-65 DHR 94 GPM 550 OBP 1350 OFBP 1150 NO LOSSES LAST SURVEY 1.4 DEG		
5/24/2010	0:00 - 1:30	1.50	DRLSUR	05	C	P		CIRCULATE AND CONDITION PRIOR TO LDDS		
	1:30 - 4:30	3.00	DRLSUR	06	A	P		LDDS BREAK BIT AND MUD MOTOR		
	4:30 - 5:30	1.00	DRLSUR	12	A	P		RIG UP TO RUN CASING		
	5:30 - 8:30	3.00	DRLSUR	12	C	P		RUN 42 JOINTS 8.625 28# J-55 8RD-LTC CASING SHOE @ 1870'		
	8:30 - 9:30	1.00	DRLSUR	12	B	P		RIG DOWN CASING AND RIG RELEASE RIG 5-24-2010 @ 0930		
	9:30 - 12:30	3.00	DRLSUR	12	E	P		TEST LINES TO 2000' PSI, PUMP 140 BBLS OF H2O , PUMP 20 BBLS OF GEL WATER. PUMP 170 (115 BBLS) SX OF 11#, 3.82 YD, 23 GAL SX HI FILL LEAD CEMENT. PUMP 200 SX (40.9 BBLS) OF 15.8#, 1.15 YD, 5 GAL/SK TAIL CEMENT, DROP PLUG ON FLY AND DISPLACE W/ 113.8 BBLS OF 8.3# H2O, 15BBLS OF LEAD TO SURFACE W/ 500 PSI OF LIFT @ 5 BBLS/MIN. W/ LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP 125 SX (25.6 BBLS) OF 4% CALC 15.8# 1.15 YD, 5 GAL/SK CEMENT DOWN 1" NO CEMENT WAIT TWO HOURS PUMP 100 SX SAME CEMENT, CEMENT TO SURFACE		
8/11/2010	17:00 - 0:00	7.00	RDMO	01	E	P		RDRT ,FLOOR,LAY OUT KELLY ,SUIT CASES,BUSTER,FLARELINES,PUMPS,PITS,WATER ,AIR , MOST ELECTRICAL,PASON		
8/12/2010	0:00 - 7:00	7.00	RDMO	01	E	P		RDRT MISC ,SCOPE DOWN DERRICK W/ CRANE ASSIST & LOWER		
	7:00 - 20:30	13.50	MIRU	01	B	P		SAFETY MEETING W/ RIG CREW,WEST ROC,J&C CRANE,MOUNTAIN WEST ,LOAD OUT TRUCKS ,MOVE 1/8 MILE, SET IN SUB,Y-BASE,BOAT, CARRIER,MUD PITS, PUMPS,FUEL TANK,L/P, ACCUMULATORS & R/U		
	20:30 - 23:00	2.50	MIRU	14	A	P		AIR,WATER,ELECTRICAL,HYDRAULICS, RAISE SUB ,RAISE & SCOPE DERRICK,FLOOR,P/U KELLY,HOOK UP FLARE LINES,GAS BUSTER (CRANE ON LOC @ 06:00 RELEASED @ 13:30 ,5-TRUCKS 1-FORK LIFT ON LOC @ 07:00 RELEASED @ 12:00 ,7 EXTRA RIG HANDS)		
	23:00 - 0:00	1.00	MIRU	15	A	P		NIPPLE UP BOP		
8/13/2010	0:00 - 4:30	4.50	MIRU	15	A	P		SAFETY MEETING W/ B&C QUICK TEST ,R/U & TEST FLOOR VALVES, UPPER & LOWER KELLY VALVES 250/5 MIN ,5000/10 MIN		
	4:30 - 5:00	0.50	MIRU	14	B	P		TEST BOP, PIPE RAMS,BLIND RAMS ,INSIDE & OUTSIDE KILL & CHOKE LINE VALVES, HCR VALVE, CHOKE MANIFOLD 250/5 MIN & 5000/ 10 MIN, ANNULAR 250/5 MIN ,2500/ 10 MIN, CASING 1500/30 MIN ,R/D QUICK TEST		
	5:00 - 9:00	4.00	DRLPRO	06	A	P		INSTALL WEAR RING		
	9:00 - 10:00	1.00	DRLPRO	09	A	P		SAFETY MEETING W/ KIMZEY, R/U & P/U GT-1 BIT ,.21/STRAIGHT MOTOR & 11 DCS, 3 HWDP ,41 JTS DP, R/D KIMZEY		
	10:00 - 11:00	1.00	DRLPRO	23		P		CUT & SLIP 120' DRILLING LINE		
								PRESPOD INSPECTION,INSTALL DRILLING RUBBER , SCURE STACK ,FIX LEAK ON DREESER SLEEVE GAS BUSTER		

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H		Spud Conductor: 5/19/2010	Spud Date: 5/23/2010
Project: UTAH-UINTAH	Site: FEDERAL 1022-27H		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 5/9/2010	End Date: 8/20/2010	
Active Datum: RKB @5,458.01ft (above Mean Sea Level)		UWI: FEDERAL 1022-27H	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:00 - 14:00	3.00	DRLPRO	02	F	P		DRILL CMT ,F.E. & OPEN HOLE F/ 1792' TO 1914'
	14:00 - 14:30	0.50	DRLPRO	02	B	P		SPUD 8/13/2010 @ 14:00 ,DRILL 36' NEW HOLE F/ 1914' TO 1950'
	14:30 - 16:00	1.50	DRLPRO	06	A	P		TOOH F/ NEW BIT & DIRECTIONAL TOOLS
	16:00 - 19:00	3.00	DRLPRO	06	A	P		P/U Q506F, ADJ MOTOR TO 1.5 DEG, P/U & SCRIBE DIR TOOLS ,TIH TO SHOE
	19:00 - 19:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	19:30 - 21:30	2.00	DRLPRO	08	A	P		RIG REPAIR REPLACE AIR LINES TO KELLY SPINNERS
	21:30 - 22:00	0.50	DRLPRO	06	A	P		FINISH TIH
	22:00 - 0:00	2.00	DRLPRO	02	A	P		DRILL F/ 1950' TO 2109' (159' @ 79.5' HR) WOB 15,RPM 60 ,MMRPM 95 ,SPM 120, GPM 454,UP/SO/ROT 83-78-82 ,ON/OFF 1200-900 ,DIFF 350 ,WATER W/ GEL & POLY SWEEPS
8/14/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 2109' TO 2818' (709' @ 118.1' HR) WOB 17, RPM 60, MMRPM 95 ,SPM 120, GPM 454, UP/SO/ROT 83-78-82, ON OFF 1200-900, DIFF 350, WATER W/ GEL & POLY SWEEPS
	6:00 - 13:00	7.00	DRLPRO	02	B	P		DRILL F/ 2818' TO 3546' (728' @ 104' HR) WOB 16-18, RPM 60, MMRPM 95, SPM 120, GPM 454, UP/SO/ROT 91-80-84, DIFF 280-420,WATER W/ GEL & POLY SWEEPS ,SLIDES 3451-3461
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 23:30	10.00	DRLPRO	02	B	P		DRILL F/ 3546' TO 4597' (1051' @ 105.1' HR) 16_18 ,RPM 60 ,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 122-115-118, ON/OFF 1340-1075, DIFF 280-400, WATER W/ GEL/SAWDUST & POLY SWEEPS ,(SLIDES 3671-3681,3734-3744,3892-3902)
8/15/2010	23:30 - 0:00	0.50	DRLPRO	08	A	Z		RIG REPAIR ,CHANGE FUEL FILTERS ON ROTARY MOTOR
	0:00 - 9:30	9.50	DRLPRO	02	B	P		DRILL F/ 4597' TO 5473' (876' @ 92.2' HR) WOB 16-18, RPM 55-60, MMRPM 95 ,SPM 120, GPM 454 ,UP/SO/ROT 135-122-228, ON/OFF 1380-1100, DIFF 250-380, WATER W/ GEL/SAWDUST & POLY SWEEPS,8'-10' FLARE, SLIDE 5063' TO 5073'
	9:30 - 11:30	2.00	DRLPRO	05	B	P		DUMP PRODUCTION WATER F/ MUD PITS, FILL W/ FRESH WATER, DISPLACE HOLE W/ FRESH WATER, START MUD UP
	11:30 - 14:00	2.50	DRLPRO	02	B	P		DRILL F/ 5473' TO 5631' (158' @ 63.2' HR) WOB 18-20, RPM 58, MMRPM 95, SPM 120, GPM 454, UP/SO/ROT 138-120-128, ON/OFF 1440-1150, DIFF 250-350 ,WT 9.2,VIS 35 W/ SAWDUST SWEEPS, RIG SERVICE
	14:00 - 14:30	0.50	DRLPRO	07	A	P		DRILL F/ 5631' TO 6136' (505' @ 53.1' HR) WOB 20-22, RPM 55, MMRPM 95, SPM 120, GPM 454, UP/SO/ROT 140-125-133 ,ON/OFF 1750-1450, DIFF 220-380, WT 9.7, VIS 37 W/ SAW DUST SWEEPS ,SLIDES 5630-5640, 5725
	14:30 - 0:00	9.50	DRLPRO	02	A	P		-5735',5820'-5831',5947'-5957',6073'-6083'
8/16/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 6136' TO 6484' (348' @ 58' HR) WOB 20-22, RPM 55, MMRPM 95, SPM 120, GPM 454, UP/SO/ROT 140-125-135,ON/ OFF 1900-1620, DIFF 250-350,WT 10.2, VIS 37(LOST 80 BBLS TO SEEPAGE)
	6:00 - 15:00	9.00	DRLPRO	02	B	P		DRILL F/ 6484' TO 6895' (411' @ 45.6' HR) WOB 20-22, RPM 55, MMRPM 95, SPM 120, GPM 454, UP/SO/ROT 150-130-143, ON/OFF 2120-1750, DIFF 250-400, WT 10.5, VIS 37 (LOST 40 BBLS TO SEEPAGE)
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H		Spud Conductor: 5/19/2010	Spud Date: 5/23/2010
Project: UTAH-UINTAH		Site: FEDERAL 1022-27H	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING		Start Date: 5/9/2010	End Date: 8/20/2010
Active Datum: RKB @5,458.01ft (above Mean Sea Level)		UWI: FEDERAL 1022-27H	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/17/2010	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRILL F/ 6895' TO 7306' (411' @ 48.3' HR) WOB 22-24, RPM 55 ,MMRPM 94, SPM 118, GPM 447, UP/SO/ROT 153- 135-146, ON/OFF 1900-2165, DIFF 220-350, WT 10.7, VIS 35, 2 % LCM
	0:00 - 7:00	7.00	DRLPRO	02	B	P		DRILL F/ 7306' TO 7622' (316' @ 45.1' HR) WOB 20-23, RPM 55, MMRPM 94, SPM 118, GPM 447, UP/SO/ROT 155-137-148, ON/OFF 1920-2165, DIFF 245-370 WT 11.0, VIS 40, 2% LCM (SLIDES F/ 7528-7538, 7590-7600)
	7:00 - 7:30	0.50	DRLPRO	05	C	P		CIRC & PUMP PILL
	7:30 - 8:00	0.50	DRLPRO	06	E	P		TRIP OUT 10 STANDS
	8:00 - 12:30	4.50	DRLPRO	05	A	P		CIRC & WORK PIPE F/ ANADARKO STAND DOWN SAFETY MEETING
	12:30 - 13:00	0.50	DRLPRO	06	E	P		TIH 10 STANDS
	13:00 - 18:00	5.00	DRLPRO	02	B	P		DRILL F/ 7622' TO 7812' (190' @ 38' HR) WOB 20-23, RTPM 55, MMRPM 91, SPM 115, GPM435, UP/SO/ROT 160-143-150 ,ON/OFF 2012-1750, DIFF 220-350, WT 11.0, VIS 46, LCM 2% (SLIDES 7655-7665, 7717-7727)
	18:00 - 18:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	18:30 - 0:00	5.50	DRLPRO	02	B	P		DRILL F/ 7812' TO 7990' (178' @ 32.2' HR) WOB 20-24, RPM 55, MMRPM 91, SPM 115, GPM 435, UP/SO/ROT 165-145-158, ON/OFF 2046/2385, DIFF 250-420, WT 11.5, VIS 50, LCM 2 % (SLIDES 7780-7790, 7844-7854, 7907-7917)
	0:00 - 8:00	8.00	DRLPRO	02	B	P		DRILL F/ 7990' TO 8349' (359' @ 44.8' HR) WOB 20-23, RPM 55-60, MMRPM 87, SPM 110, GPM 416, UP/SO/ROT 165-145-158, ON/OFF 2260- 1950, DIFF 220-410, WT 11.6, VIS 42, LCM 3%
8/18/2010	8:00 - 8:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	8:30 - 12:00	3.50	DRLPRO	02	B	P		DRILL F/ 8349' TO 8500' TD @ 12:00 8/18/2010, (151' @ 43.1' HR) WOB 22, RPM 60, MMRPM87, SPM 110, GPM 416, UP/SO/ROT 168-148-160, ON/OFF 2260/1950, DIFF 220-400, WT 11.8, VIS, 42, LCM 3%
	12:00 - 13:30	1.50	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
	13:30 - 20:00	6.50	DRLPRO	06	A	P		TOOH L/D DIRECTIONAL TOOLS,MOTOR & BIT (SHUT DOWN 20 MIN F/ LIGHTENING STORM) TIGHT 6392-6381,5605 & 2630 20-40K
	20:00 - 0:00	4.00	DRLPRO	06	A	P		P/U RERUN TRICONE BIT & BIT SUB TIH, FILL PIPE @ SHOE & 5800'
	0:00 - 1:30	1.50	DRLPRO	06	E	P		FINISH TIH
	1:30 - 2:30	1.00	DRLPRO	03	D	P		WASH 125' TO BTM, NO FILL
	2:30 - 4:30	2.00	DRLPRO	05	C	P		CIRC F/ LOGS, PUMP PILL
	4:30 - 9:30	5.00	DRLPRO	06	A	P		TOOH F/ LOGS ,TIGHT 7724' TO 7258', 6252, 5600 20-40K
	9:30 - 14:00	4.50	DRLPRO	11	C	P		SAFETY MEETING W/ BAKER ATLAS, R/U & RUN TRIPLE COMBO TO 8492', LOG OUT, NO PROBLEMS ,R/D BAKER ATLAS
8/19/2010	14:00 - 19:00	5.00	DRLPRO	06	A	P		TIH W/ RERUN TRICONE & BIT SUB, FILL PIPE @ 2000' & 6000'
	19:00 - 21:00	2.00	DRLPRO	05	C	P		CIRC, SAFETY MEETING W/ KIMZEY, R/U L/D MACHINE
	21:00 - 0:00	3.00	DRLPRO	06	A	P		LDDP
	0:00 - 5:00	5.00	DRLPRO	06	A	P		LDDP, BREAK KELLY, L/D BHA, PULL WEAR RING
	5:00 - 11:30	6.50	DRLPRO	12	C	P		S/M W/ CASERS R/U & RUN 210 JTS, 4.5, 11.6, I-80, LANDED SHOE @ 8496, FLOAT @ 8452', MARKER @ 3949,
	11:30 - 13:30	2.00	DRLPRO	05	D	P		R/U & CIRC F/ CEMENT, R/D KIMZEY CASING, SAFETY MEETING W/ BJ SERVICES, HOOK UP BJ

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H			Spud Conductor: 5/19/2010			Spud Date: 5/23/2010			
Project: UTAH-UINTAH			Site: FEDERAL 1022-27H				Rig Name No: PIONEER 69/69, PROPETRO/		
Event: DRILLING			Start Date: 5/9/2010				End Date: 8/20/2010		
Active Datum: RKB @5,458.01ft (above Mean Sea Level)				UWI: FEDERAL 1022-27H					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
	13:30 - 16:00	2.50	DRLPRO	12	E	P		CEMENT W/ 40 BBL WATER PREFLUSH ,403 SX 12.1 PPG, 2.23 YLD LEAD, 1150 SX 14.3 PPG, 1.31 YLD TAIL, DISPLACE W/ 131.4 BBLS CLAY TREAT WATER, FINAL LIFT 2511, BUMP PLUG @ 3000, FLOATS HELD ,20 BBLS LEAD CMT BACK TO PIT,FULL RETURNS THROUGHOUT JOB, FLUSH STACK, R/D BJ, L/D LANDING JOINT	
	16:00 - 20:00	4.00	DRLPRO	14	A	P		NIPPLE DOWN , CLEAN PITS, RELEASE RIG @ 20:00 TO NBU 1022-22P	

US ROCKIES REGION

Operation Summary Report

Well: FEDERAL 1022-27H	Spud Conductor: 5/19/2010	Spud Date: 5/23/2010
Project: UTAH-UINTAH	Site: FEDERAL 1022-27H	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 5/9/2010	End Date: 8/20/2010
Active Datum: RKB @5,458.01ft (above Mean Sea Level)	UWI: FEDERAL 1022-27H	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	20:00 - 20:00	0.00	DRLPRO					<p>CONDUCTOR CASING: Cond. Depth set: 40 Cement sx used:</p> <p>SPUD DATE/TIME: 5/23/2010 9:00</p> <p>SURFACE HOLE: Surface From depth: 40 Surface To depth: 1,900 Total SURFACE hours: 15.00 Surface Casing size: 8 5/8 # of casing joints ran: 42 Casing set MD: 1,870.0 # sx of cement: 170/LEAD 200/TAIL Cement blend (ppg): 11#/LEAD 15.8/TAIL Cement yield (ft3/sk): 3.82/LEAD 1.15/TAIL # of bbls to surface: 0 TOPPED OF BY PETE MARTIN Describe cement issues: PUMP 225 SX DOWN 1" TO SURFACE Describe hole issues:</p> <p>PRODUCTION: Rig Move/Skid start date/time: 8/12/2010 6:00 Rig Move/Skid finish date/time: Total MOVE hours: -969654.0 Prod Rig Spud date/time: 8/13/2010 11:00 Rig Release date/time: 8/20/2010 20:00 Total SPUD to RR hours: 177.0 Planned depth MD 8,448 Planned depth TVD 8,448 Actual MD: 8,500 Actual TVD: 8,497 Open Wells \$: \$666,465 AFE \$: \$674,066 Open wells \$/ft: \$78.41</p> <p>PRODUCTION HOLE: Prod. From depth: 1,914 Prod. To depth: 8,500 Total PROD hours: 99 Log Depth: 8492 Production Casing size: 4.5,11.6,I-80 BT&C # of casing joints ran: 201 Casing set MD: 8,496.3 # sx of cement: 403 LEAD, 1150 TAIL Cement blend (ppg): 12.1LEAD 14.3 TAIL Cement yield (ft3/sk): 2.23 LEAD 1.31 TAIL Est. TOC (Lead & Tail) or 2 Stage : 18 LEAD 3200 TAIL Describe cement issues: 20 BBLS LEAD TO BACK TO PIT Describe hole issues: HOLE SEEPING @ 6300'</p> <p>DIRECTIONAL INFO: KOP: Max angle: Departure: Max dogleg MD:</p>

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H			Spud Conductor: 5/19/2010			Spud Date: 5/23/2010			
Project: UTAH-UINTAH			Site: FEDERAL 1022-27H				Rig Name No: GWS 1/1		
Event: COMPLETION			Start Date: 8/29/2010				End Date: 9/3/2010		
Active Datum: RKB @5,458.01ft (above Mean Sea Level)				UWI: FEDERAL 1022-27H					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
8/29/2010	7:00 - 7:30	0.50	COMP	48		P		HOLD SFT MTG	
	7:30 - 15:00	7.50	COMP	31	I	P		ROAD RIG & EQUIP F/ NBU 1022-27A TO LOC. MI RU RIG & EQUIP. NDWH, NUBOPE. PREP & TALLY 2 3/8" J-55 TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER. EOT @ 3630'. SWI. SDFN HSM. CLEAN WORK AREA	
8/31/2010	7:00 - 7:30	0.50	COMP	48		P		HSM. CONT TO RIH P/U TBG OFF TRAILER TO 6820, X/O POOH STD BACK TBG. ND BOPE. NU FRAC VALVES. FILL CSG. SWI. SDFN HSM	
	7:30 - 15:00	7.50	COMP	31	I	P		MIRU B&C QUICK TST. PSI TST CSG & FRAC VLV'S TO 7000#, (HELD). MIRU CUTTERS. PERF STG 1 PERF'S F/ 7867' - 7875', 3 SPF, 120 DEG PHASING (24 HOLES). POOH. PREP TO FRAC. SWI. SDFN HSM & JSA.	
9/1/2010	7:00 - 7:30	0.50	COMP	48		P		MIRU SUPERIOR WELL SERVICES. HOLD SM & JSA. PT SURFACE EQUIP. TO 8000 PSI.	
	7:30 - 15:00	7.50	COMP	37	B	P			
9/2/2010	7:00 - 7:30	0.50	COMP	48		P			
	7:30 - 11:45	4.25	COMP	36	E	P			

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H	Spud Conductor: 5/19/2010	Spud Date: 5/23/2010
Project: UTAH-UINTAH	Site: FEDERAL 1022-27H	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/29/2010	End Date: 9/3/2010
Active Datum: RKB @5,458.01ft (above Mean Sea Level)	UWI: FEDERAL 1022-27H	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:45 -		COMP					<p>11:45 OPEN WELL FRAC STG 1) WHP 1440 PSI, BRK DWN 2.8 BPM @ 3465 PSI. ISIP 2489 PSI, FG 75. PMP 6 BBLS 15% HCL, PMP 120 BBLS 10/M SCALE INHIBITOR. PUMP 260 BBLS @ 39.7 BPM @ 4513 PSI, 20/24 PERFS OPEN = 81%</p> <p>MP 5425 PSI, MR 40.2 BPM, AP 4281 PSI, AR 39.6 BPM, ISIP 2701 PSI, FG .78, NPI 212 PSI. PMP 964 BBLS SW & 24,525 LBS OF 30/50 SND & 5,480 LBS OF 20/40 SLC SND. TOTAL PROP 30,005 LBS, SWI, 12:22 X-OVER FOR WL.</p> <p>PERF STG 2) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, 0.36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7780', P/U & PERF F/ 7748'-50', 4 SPF, 8 HOLES. 7672'-74', 4 SPF, 8 HOLES. 7632'-34', 4 SPF, 8 HOLES. 24 HOLES. POOH, X-OVER FOR FRAC CREW.</p> <p>13:22 OPEN WELL FRAC STG 2) WHP 2260 PSI, BRK DWN 4.7 BPM @ 3821 PSI. INJECT TEST 10.2 BPM @ 3200 PSI. ISIP 2603 PSI, FG .78. PUMP 160 BBLS @ 34.7 BPM @ 6002 PSI. 16/24 PERFS OPEN = 66%</p> <p>MP 6655 PSI, MR 40.5 BPM, AP 5175 PSI, AR 38.4 BPM, ISIP 2700 PSI, FG .79, NPI 124 PSI. PMP 1240 BBLS SW & 43,422 LBS OF 30/50 SND & 4,694 LBS OF 20/40 SLC SND. TOTAL PROP 48,116 LBS, SWI, 14:08 X-OVER FOR WL.</p> <p>PERF STG 3) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, 0.36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 7270', P/U PERF F/ 7233'-35', 3 SPF, 6 HOLES. 7174'-76', 4 SPF, 8 HOLES. 7085'-87', 3 SPF, 6 HOLES. 7022'-23', 4 SPF, 4 HOLES. 24 HOLES. POOH, X-OVER FOR FRAC CREW.</p> <p>14:58 OPEN WELL. FRAC STG 3) WHP 330 PSI, BRK DWN 4.5 BPM @ 2284 PSI. ISIP 1476 PSI, FG .65. PUMP 180 BBLS @ 50.7 BPM @ 5373 PSI. 16/24 PERFS OPEN = 66%</p> <p>MP 5490 PSI, MR 51.8 BPM, AP 4875 PSI, AR 50.4 BPM, ISIP 2502 PSI, FG .79, NPI 1026 PSI. PMP 822 BBLS SW & 24,704 LBS OF 30/50 SND & 5,407 LBS OF 20/40 SLC SND. TOTAL PROP 30111 LBS, SWI, 15:22 X-OVER FOR WL.</p> <p>PERF STG 4) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, 0.36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6925', P/U & PERF F/ 6893'-96', 4 SPF, 12 HOLES. 6775'-78', 4 SPF, 12 HOLES. 24 HOLES POOH, X-OVER FOR FRAC CREW.</p> <p>16:03 OPEN WELL</p>

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H		Spud Conductor: 5/19/2010	Spud Date: 5/23/2010
Project: UTAH-UINTAH	Site: FEDERAL 1022-27H		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/29/2010	End Date: 9/3/2010	
Active Datum: RKB @5,458.01ft (above Mean Sea Level)		UWI: FEDERAL 1022-27H	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								<p>FRAC STG 4) WHP 290 PSI, BRK DWN 5.2 BPM @ 3417 PSI. ISIP 1643 PSI, FG .68. PUMP 150 BBLS @ 47 BPM @ 5686 PSI 16/24 PERF OPEN = 66%</p> <p>MP 6003 PSI, MR 53.5 BPM, AP 5214 PSI, AR 49.5 BPM, ISIP 3002 PSI, FG .88, NPI 1367 PSI. PMP 655 BBLS SW & 18,611 LBS OF 30/50 SND & 5,096 LBS OF 20/40 SLC SND. TOTAL PROP 23,707 LBS, SWI, 16:25 X-OVER FOR WL.</p> <p>PERF STG 5) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, 0.36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5997', P/U & PERF F/ 5961'-67', 4 SPF, 24 HOLES. 24 HOLES. POOH, X-OVER FOR FRAC CREW.</p> <p>17:05 OPEN WELL</p> <p>FRAC STG 5) WHP 120 PSI, BRK DWN 4.4 BPM @ 2828 PSI. ISIP 1760 PSI, FG .73. PUMP 90 BBLS @ 50.3 BPM @ 5330 PSI 16/24 PERFS OPEN = 66%.</p> <p>MP 5428 PSI, MR 51.3 BPM, AP 4824 PSI, AR 50 BPM, ISIP 2168 PSI, FG .80, NPI 408 PSI. PMP 648 BBLS SW & 22,107 LBS OF 30/50 SND & 4,649 LBS OF 20/40 SLC SND. TOTAL PROP 26,756 LBS, SWI, 17:28 X-OVER FOR WL.</p> <p>PERF STG 6) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, 0.36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5012', P/U & PERF F/ 4976'-82', 4 SPF, 24 HOLES. 24 HOLES. POOH, X-OVER FOR FRAC CREW.</p> <p>18:01 OPEN WELL</p> <p>FRAC STG 6) WHP 116 PSI, BRK DWN 4.7 BPM @ 2748 PSI. ISIP 815 PSI, FG .60. PUMP 90 BBLS @ 51.2 BPM @ 4133 PSI 17/24 PERFS OPEN = 69%</p> <p>MP 4325 PSI, MR 52 BPM, AP 3835 PSI, AR 50.4 BPM, ISIP 1853 PSI, FG .81, NPI 1038 PSI. PMP 711 BBLS SW & 16,931 LBS OF 30/50 SND & 6,276 LBS OF 20/40 SLC SND. TOTAL PROP 23,207 LBS, SWI, 18:35 X-OVER FOR WL.</p> <p>KILL PLG) PU 4 1/2 8K HALCO CBP, RIH SET CBP @ 4926'. POOH & LD TOOLS. SWI - RD CUTTERS WL & SUPERIOR FRAC.</p> <p>00:00 SDFN. PREP WELL TO RIH W/BHA & D/O CBPs. HSM & JSA.</p>
9/3/2010	7:00 - 7:15	0.25	COMP	48		P		

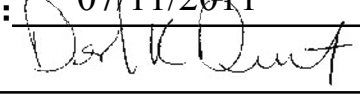
US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H		Spud Conductor: 5/19/2010	Spud Date: 5/23/2010
Project: UTAH-UINTAH	Site: FEDERAL 1022-27H		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/29/2010	End Date: 9/3/2010	
Active Datum: RKB @5,458.01ft (above Mean Sea Level)		UWI: FEDERAL 1022-27H	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 7:15	0.00	COMP	44	C	P		<p>WHP = 0 PSI.</p> <p>ND FRAC VALVES, NU BOP. RU FLOOR & TBG EQUIP. PU 4 1/2" BIT, POBS & XN NIPPLE. RIH ON NEW 2 3/8" 4.7# L80 TBG. TO 4900. RU PWR SWVL & PMP. EST CIRC. PT BOPs TO 3000 PSI. RIH TAG CBP @ 4926'. (NO FILL).</p> <p>CBP #1) DRLG OUT HALCO 8K CBP @ 4926' IN 8 MIN. 300 DIFF PSI. RIH TAG FILL @ 4982. C/O 30' OF SDN. FCP = 0 PSI.</p> <p>CBP #2) DRLG OUT HALCO 8K CBP @ 5012' IN 10 MIN. 50 DIFF PSI. RIH TAG FILL @ 5967. C/O 30' OF SDN. FCP = 0 PSI.</p> <p>CBP #3) DRLG OUT HALCO 8K CBP @ 5997' IN 8 MIN. 250 DIFF PSI. RIH TAG FILL @ 6895. C/O 30' OF SDN. FCP = 50 PSI.</p> <p>CBP #4) DRLG OUT HALCO 8K CBP @ 6925' IN 5 MIN. 500 DIFF PSI. RIH TAG FILL @ 7225. C/O 45' OF SDN. FCP = 100 PSI.</p> <p>CBP #5) DRLG OUT HALCO 8K CBP @ 7270' IN 10 MIN. 600 DIFF PSI. RIH TAG FILL @ 7750. C/O 30' OF SDN. FCP = 150 PSI.</p> <p>CBP #6) DRLG OUT HALCO 8K CBP @ 7780' IN 4 MIN. 500 DIFF PSI. RIH TO 8212'. (BTM PERF @ 7875', PBD @ 8451'). FCP = 200 PSI. CIRC WELL CLEAN.</p> <p>ND PWR SWVL, NU TBG EQUIP. LD 19 JTS ON FLOAT, (45 TOTAL ON FLAOT). LND TBG ON HNGR W/240 JTS NEW 2 3/8" 4.7# L80. RD FLOOR & TBG EQUIP. ND BOP, DROP BALL, NUWH. PMP OFF BIT @ 1500 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. TURN WELL TO F.B.C.</p> <p>KB 18' HANGER 0.83' XN NIPPLE 1.1' TBG 240 JTS = 7580.55' XN NIPPLE @ 7599.38" EOT @ 7600.48' (285 JTS DLVRD - 45 JTS RTND)</p> <p>TWTR = 5270 BBLS TWR = 850 BBLS TWLTR = 4420 SICP = 1150 PSI, SITP = 000 PSI. 7 AM FLBK REPORT: CP 1150#, TP 1175#, 20/64" CK, 34 BWPH, HVY SAND, - GAS TTL BBLS RECOVERED: 2025 BBLS LEFT TO RECOVER: 3245 WELL TURNED TO SALES @ 1100 HR ON 9/4/10 - 900 MCFD, 600 BWPD, CP 1400#, FTP 1300#, CK 20/64"</p>
9/4/2010	7:00 -		PROD	33	A			
	11:00 -		PROD	50				
9/5/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 1900#, TP 1200#, 20/64" CK, 23 BWPH, HVY SAND, 1.4 GAS TTL BBLS RECOVERED: 2666 BBLS LEFT TO RECOVER: 2604</p>

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H			Spud Conductor: 5/19/2010			Spud Date: 5/23/2010			
Project: UTAH-UINTAH			Site: FEDERAL 1022-27H				Rig Name No: GWS 1/1		
Event: COMPLETION			Start Date: 8/29/2010				End Date: 9/3/2010		
Active Datum: RKB @5,458.01ft (above Mean Sea Level)				UWI: FEDERAL 1022-27H					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
9/6/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1700#, TP 1075#, 20/64" CK, 13 BWPH, MED SAND, 1.4 GAS TTL BBLS RECOVERED: 3073 BBLS LEFT TO RECOVER: 2197	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		8. WELL NAME and NUMBER: FEDERAL 1022-27H			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. API NUMBER: 43047500960000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1597 FNL 1182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		COUNTY: UTAH STATE: UTAH			
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/5/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Wellhead Repair </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Wellhead Repair
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Wellhead Repair			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.					
Accepted by the Utah Division of Oil, Gas and Mining Date: <u>07/11/2011</u> By: <u></u>					
NAME (PLEASE PRINT) Gina Becker		PHONE NUMBER 720 929-6086			
SIGNATURE N/A		TITLE Regulatory Analyst II DATE 7/5/2011			

WORKORDER #: 88119326

Name: **FEDERAL 1022-27H**
Surface Location: SENE Sec. 27, T10S, R22E
 Uintah County, UT

7/1/2011

API: 4304750096 **LEASE#:** UTU-473

ELEVATIONS: 5440' GL 5458' KB

TOTAL DEPTH: 8500' **PBTD:** 8452'

SURFACE CASING: 8 5/8", 28# J-55 @ 1884'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8496'
 TOC @ 100' per CBL (with min 50' isolation)

PERFORATIONS: Wasatch 4976' - 5967'
 Mesaverde 6775' - 7875'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
8.625" 28# J-55	8.097	1370	2950	2.6223	0.3505	0.0624
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1026' Green River
 1306' Bird's Nest
 1711' Mahogany
 4011' Wasatch
 6229' Mesaverde

FEDERAL 1022-27H- WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~4926'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

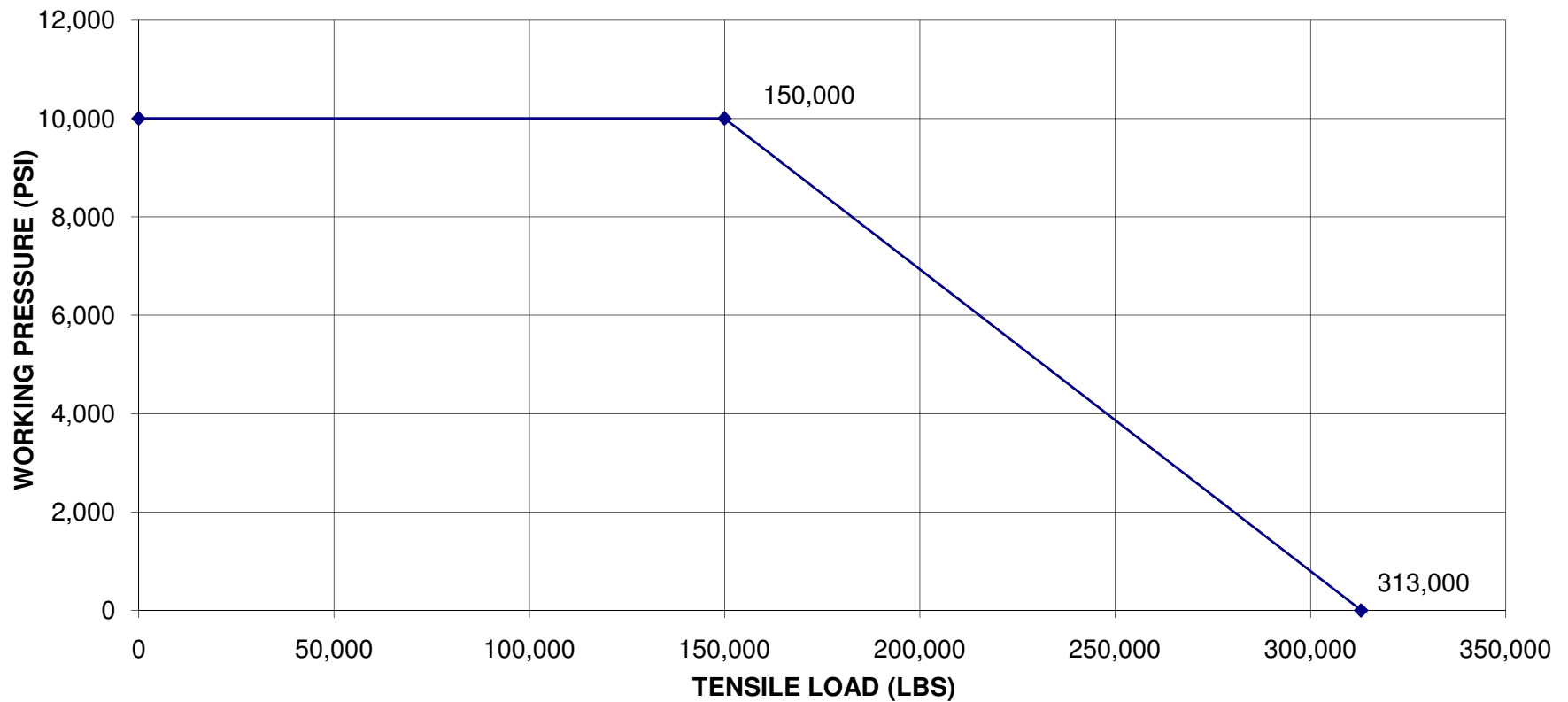
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshoot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOOH.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~4876'. Clean out to PBTD (8452').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshoot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~4876'. Clean out to PBTD (8452').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Jul. 05, 2011



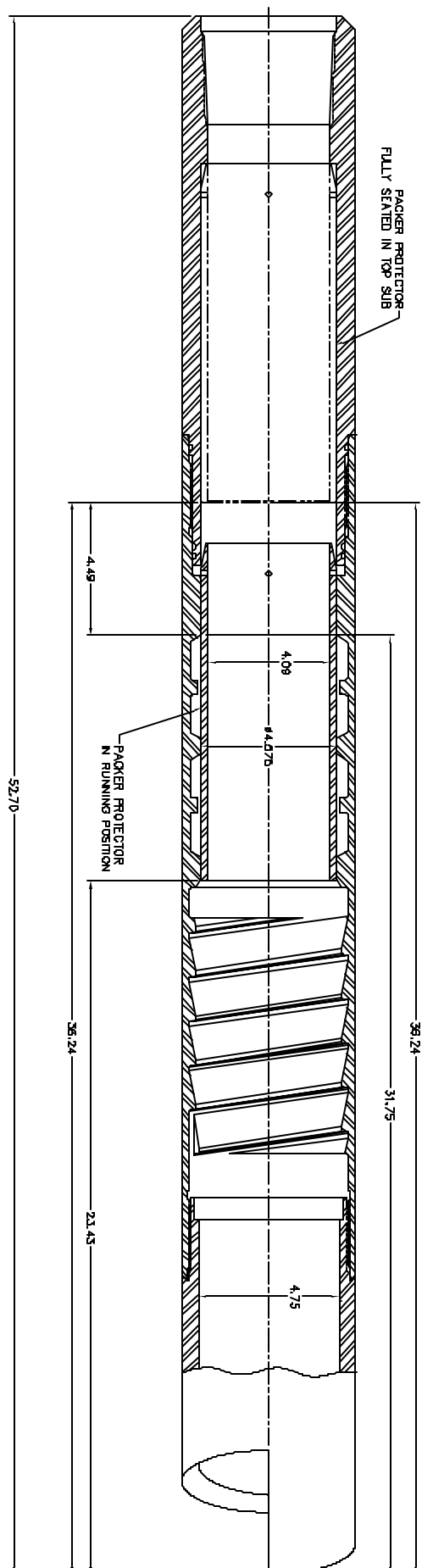
Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

510L-005-001 4-1/2" LOGAN HP CASING PATCH



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	NBU REVISION						UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>E</i>	<i>Various</i>	<i>2900</i>	<i>3/13/2012</i>			<i>2/1/2012</i>	
Comments: MOVE THE ATTACHED WELLS INTO THE NATURAL BUTTES UNIT REVISION EFFECTIVE 02/01/2012. <i>72 wells</i> <i>5/31/2012</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA WOPSOCK

Name (Please Print)

Signature

REGULATORY ANALYST

Title

5/30/2012

Date

RECEIVED

MAY 31 2012

Div. of Oil, Gas & Mining

Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.

API	Well Name	QTR/QTR	Section	TWNSHP	RANGE	Producing Intervals
4304737079	FEDERAL 920-25I	NESE	15431	25 9S	20E	WASATCH/MESAVERDE
4304737080	FEDERAL 920-25H	SENE	15761	25 9S	20E	WASATCH/MESAVERDE
4304737081	FEDERAL 920-25A	NENE	15553	25 9S	20E	WASATCH/MESAVERDE from MVRD
4304739098	STATE 1021-28M	SWSW	16499	28 10S	21E	WASATCH To WSMVD
4304737918	FEDERAL 1021-26L	NWSW	16390	26 10S	21E	MESAVERDE To WSMVD
4304737919	FEDERAL 1021-26N	SESW	16391	26 10S	21E	WASATCH/MESAVERDE
4304737916	FEDERAL 1021-25O	SWSE	16277	25 10S	21E	WASATCH/MESAVERDE
4304739112	STATE 1021-31M	SWSW	16454	31 10S	21E	WASATCH To WSMVD
4304739127	STATE 1021-32P	SESE	16471	32 10S	21E	WASATCH/MESAVERDE
4304739128	STATE 1021-32O	SWSE	17513	32 10S	21E	WASATCH/MESAVERDE
4304739131	STATE 1021-32L	NWSW	16902	32 10S	21E	WASATCH/MESAVERDE
4304739133	STATE 1021-32J	NWSE	17539	32 10S	21E	WASATCH/MESAVERDE
4304739134	STATE 1021-32I	NESE	16905	32 10S	21E	WSMVD
4304739135	STATE 1021-32H	SENE	17528	32 10S	21E	WASATCH/MESAVERDE
4304735714	FEDERAL 1022-29H	SENE	15147	29 10S	22E	WASATCH/MESAVERDE
4304735715	FEDERAL 1022-29F	SENW	15162	29 10S	22E	WASATCH/MESAVERDE
4304735716	FEDERAL 1022-29B	NWNE	14982	29 10S	22E	WASATCH/MESAVERDE
4304735737	FEDERAL 1022-29I	NESE	15001	29 10S	22E	WASATCH/MESAVERDE
4304735738	FEDERAL 1022-29D	NWNW	15016	29 10S	22E	MESAVERDE To WSMVD
4304734862	FEDERAL 31-10-22	SESE	13879	31 10S	22E	MESAVERDE To WSMVD
4304735173	FEDERAL 1022-31D	NWNW	14132	31 10S	22E	WASATCH/MESAVERDE
4304736492	FEDERAL 1022-31N	SESW	16255	31 10S	22E	WASATCH/MESAVERDE
4304736493	FEDERAL 1022-31I	NESE	15089	31 10S	22E	WASATCH/MESAVERDE
4304736494	FEDERAL 1022-31G	SWNE	15075	31 10S	22E	WASATCH/MESAVERDE
4304736495	FEDERAL 1022-31F	SENE	15230	31 10S	22E	WASATCH/MESAVERDE
4304736574	FEDERAL 1022-31C	NENW	15090	31 10S	22E	WASATCH/MESAVERDE
4304736575	FEDERAL 1022-31J	NWSE	15214	31 10S	22E	WASATCH/MESAVERDE
4304736576	FEDERAL 1022-31L	NWSW	16376	31 10S	22E	WASATCH/MESAVERDE
4304734317	STATE 1-32	NESW	13419	32 10S	22E	WASATCH/MESAVERDE
4304734831	STATE 2-32	SESW	13842	32 10S	22E	MESAVERDE To WSMVD
4304734832	STATE 3-32	NWSW	13844	32 10S	22E	WASATCH/MESAVERDE
4304735095	STATE 1022-32J	NWSE	14097	32 10S	22E	WSMVD
4304735096	STATE 1022-32A	NENE	13914	32 10S	22E	WASATCH/MESAVERDE
4304735186	STATE 1022-32P	SESE	14131	32 10S	22E	MESAVERDE To WSMVD
4304735315	STATE 1022-32O	SWSE	14114	32 10S	22E	WASATCH/MESAVERDE
4304735647	STATE 1022-32H	SENE	14348	32 10S	22E	MESAVERDE To WSMVD
4304736413	STATE 1021-36O	SWSE	15619	36 10S	21E	WASATCH/MESAVERDE
*4304738157 WELL BELONGS TO QEP ENERGY CORP "GH 8-20-8-21" PERMIT NOT APPROVED						
4304734839	FEDERAL 1022-15F	SENW	14618	15 10S	22E	WASATCH/MESAVERDE
4304736414	STATE 1021-36J	NWSE	15651	36 10S	21E	WASATCH/MESAVERDE
4304738152	STATE 1021-36L	NWSW	16012	36 10S	21E	WASATCH/MESAVERDE
4304735440	FEDERAL 1022-15J	NWSE	14617	15 10S	22E	WASATCH/MESAVERDE
4304736415	STATE 1021-36I	NESE	15684	36 10S	21E	WASATCH/MESAVERDE
4304738845	STATE 1021-36D	NWNW	16455	36 10S	21E	WASATCH/MESAVERDE

4304750096	FEDERAL 1022-27H	SENE	17626	27 10S	22E	WASATCH/MESAVERDE	
4304736416	STATE 1021-36H	SENE	15335	36 10S	21E	WASATCH/MESAVERDE	
4304738846	STATE 1021-36E	SWNW	16523	36 10S	21E	WASATCH/MESAVERDE	
4304735676	FEDERAL 1022-28L	NWSW	15110	28 10S	22E	WASATCH/MESAVERDE	
4304736417	STATE 1021-36G	SWNE	15297	36 10S	21E	WASATCH/MESAVERDE	
4304738847	STATE 1021-36F	SENW	16394	36 10S	21E	WASATCH/MESAVERDE	
4304735713	FEDERAL 1022-28N	SESW	15145	28 10S	22E	WASATCH/MESAVERDE	
4304736418	STATE 1021-36B	NWNE	14953	36 10S	21E	WASATCH/MESAVERDE	
4304738848	STATE 1021-36N	SESW	16359	36 10S	21E	WASATCH/MESAVERDE	
4304735735	FEDERAL 1022-28O	SWSE	15285	28 10S	22E	WASATCH/MESAVERDE	from MURD
4304736419	STATE 1021-36A	NENE	15035	36 10S	21E	WASATCH/MESAVERDE	
4304738849	STATE 1021-36K	NESW	16084	36 10S	21E	WASATCH/MESAVERDE	
4304735736	FEDERAL 1022-28M	SWSW	15286	28 10S	22E	WASATCH/MESAVERDE	
4304736420	STATE 1021-36P	SESE	15372	36 10S	21E	WASATCH/MESAVERDE	
4304738850	STATE 1021-36C	NENW	16396	36 10S	21E	WASATCH/MESAVERDE	
4304734861	FEDERAL 29-10-22	SESE	14006	29 10S	22E	MESAVERDE	TO WSMVD
4304735577	FEDERAL 1022-33O	SWSE	15080	33 10S	22E	WASATCH/MESAVERDE	
4304735739	FEDERAL 1022-33E	SWNW	15193	33 10S	22E	WASATCH/MESAVERDE	
4304735740	FEDERAL 1022-33M	SWSW	15373	33 10S	22E	WASATCH/MESAVERDE	
4304735741	FEDERAL 1022-33L	NWSW	15511	33 10S	22E	WASATCH/MESAVERDE	
4304735742	FEDERAL 1022-33G	SWNE	15404	33 10S	22E	WASATCH/MESAVERDE	from MURD
4304735743	FEDERAL 1022-33C	NENW	15405	33 10S	22E	WASATCH/MESAVERDE	
4304735744	FEDERAL 1022-33A	NENE	15539	33 10S	22E	WASATCH/MESAVERDE	
4304737105	FEDERAL 1022-33D	NWNW	16502	33 10S	22E	WASATCH/MESAVERDE	
4304737106	FEDERAL 1022-33F	SENW	16560	33 10S	22E	WASATCH/MESAVERDE	from WSTC
4304737107	FEDERAL 1022-33K	NESW	16124	33 10S	22E	WASATCH/MESAVERDE	
4304737109	FEDERAL 1022-33N	SESW	16126	33 10S	22E	WASATCH/MESAVERDE	
4304737110	FEDERAL 1022-33B	NWNE	16561	33 10S	22E	WASATCH/MESAVERDE	
4304735810	STATE 1021-36E	SWNW	14295	36 10S	21E	WASATCH/MESAVERDE	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: FEDERAL 1022-27H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1597 FNL 1182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047500960000
PHONE NUMBER: 720 929-6514		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/16/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator has concluded the wellhead/casing repairs on the subject well location. Please see that attached chronological history for details of the operations.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 18, 2012		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 7/17/2012	

US ROCKIES REGION
Operation Summary Report

Well: FEDERAL 1022-27H				Spud Conductor: 5/19/2010				Spud Date: 5/23/2010			
Project: UTAH-UINTAH				Site: FEDERAL 1022-27H				Rig Name No: LEED 698/698			
Event: WELL WORK EXPENSE				Start Date: 9/14/2011				End Date: 9/16/2011			
Active Datum: RKB @5,458.00usft (above Mean Sea Level)				UWI: FEDERAL 1022-27H							
Date	Time Start-End		Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation		
9/14/2011	7:00	- 9:00	2.00	ALL	30	G	P		ROAD RIG & TRAVEL F/ NBU 1022-4J TO FEDERAL 1022-27H		
	9:00	- 10:00	1.00	ALL	30	A	P		MIRU		
	10:00	- 11:00	1.00	ALL	30	F			BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG HANGER.		
	11:00	- 13:30	2.50	ALL	31	I			POOH W/ 240 JTS J-55 TBG, LD 4 JTS W/ SCALE, LD XN		
	13:30	- 15:00	1.50	ALL	34	I			RU J-W WIRELINE COMPANY, RIH & SET CIBP @4935', POOH TOOLS, RD J-W WIRELINE COMPANY, FILL CSG W/ T-MAC, P.T. PLUG TO 3000 PSI. SWI, SDFN.		
9/15/2011	6:45	- 7:00	0.25	ALL	48		P		JSA, CUT CSG, BACK-OFF PROCEDURE		
	7:00	- 7:30	0.50	ALL	47	A	P		RD FLOOR & TBG EQUIPMENT, ND BOP'S, ND CSG BOWL, RU PWR SWVL		
	7:30	- 8:30	1.00	ALL	31	B	P		PU INTERNAL CSG CUTTERS & RIH,CUT CSG @ 3' F/ SURFACE, POOH & LD CUTTER & CSG MANDRAL, RD PWR SWVL, PU 4-1/2 OVERSHOT, RIH, LATCH FISH, RU CSG CREW & WIRELINE SERVICES, RIH & STRING SHOT CSG COLLAR, BACK-OFF CSG, POOH, PU NEW 10' CSG PUP & RIH TAG CSG TOP, THREAD INTO CSG, TORQUE CSG TO 7000# W/ 22-1/4 ROTATIONS ON CSG, PU 4-1/2 CSG TO 85,000# TENSION.		
	8:30	- 9:45	1.25	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. FOR 15 MINS, LOST 11.25 PSI. IN 15 MINS, P.T. 4-1/2 CSG TO 3500 PSI. FOR 30 MINS, LOST 53.75 PSI. IN 30 MINS, RD B&C QUICK TEST.		
	9:45	- 11:00	1.25	ALL	47	C	P		SET C-21 SLIPS, LAND CSG W/ 85,000# TENSION, CUT-OFF & DRESS 4-1/2 CSG STUB, INSTALL FLANGE & CROSSOVER SPOOL, TORQUE ALL 1-7/8 BOLTS, NU CSG BOWL, NU BOP'S, RU FLOOR & TBG EQUIPMENT.		
	11:00	- 12:15	1.25	ALL	31	I	P		PU 3-7/8 MILL & RIH 157 JTS. 2-3/8 J-55 TBG, TAG CIBP @ 4935"		
	12:15	- 12:45	0.50	ALL	47	A	P		RU PWR SWVL, RU TECH FOAM, EST CIRC IN 15 MINS		
	12:45	- 13:15	0.50	ALL	44	C	P		D/O CIBP @ 4935' IN 15 MINS, HAD 50 PSI. INCREASE, KILL TBG, LD PWR SWVL.		
	13:15	- 16:00	2.75	ALL	31	I			RIH W/ TBG & PU 17 JTS. 2-3/8 J-55 TBG F/ TRAILER, TO 7998', CIRC WELL CLEAN, POOH LD 13 JTS ON TRAILER,SDFN.		
	9/16/2011	6:45	- 7:00	0.25	COMP	48		P		HSM. SAND LINE SAFETY.	

US ROCKIES REGION

Operation Summary Report

Well: FEDERAL 1022-27H		Spud Conductor: 5/19/2010		Spud Date: 5/23/2010	
Project: UTAH-UINTAH		Site: FEDERAL 1022-27H			Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE		Start Date: 9/14/2011		End Date: 9/16/2011	
Active Datum: RKB @5,458.00usft (above Mean Sea Level)			UWI: FEDERAL 1022-27H		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 15:00	8.00	COMP	31	I	P		SITP = 500 PSI. SICP = 600 PSI. OPEN WELL, BLOW WELL DOWN T/ FBT. POOH W/ 240 JTS 2 3/8 J-55 TBG. LD BIT SUB & 3 7/8 MILL. X-OVER TBG EQUIP. PU 1.875 XN-NIPPLE. RIH W/ 120 JTS TBG. RU SWAB EQUIP. PU 1.901 BROACH. RIH BROACH TBG T/ 3799'. TAG XN-NIPPLE. POOH W/ BROACH. STD BK SWAB EQUIP. CONT RIH W/ 120 JTS TBG. PU 4 1/16 TBG HNGR. LAND TBG. BROACH TBG T/ 4500'. POOH. RD SWAB EQUIP. ND BOP. NU WELL HEAD. SWI FOR PSI BUILD UP. RD RIG. RACK OUT RIG EQUIP. ROAD RIG T/ NBU 1022-27A. MIRU RIG SPOT EQUIP. CALL CDC T/ CATCH PLUNGER EQUIP & SELL WELL DOWN OVER WEEKEND. LAND TBG W/ KB = 18' 4 1/16 TBG HNGR = .83 240 JTS J-55 TBG = 7579.94 1.875 XN-NIPPLE = 1.05 EOT @ 7599.82 TOTAL FUILED PUMP ON JOB =220 BBL. RIG RECOVERD = 175 BBL LEFT T/ RECOVER = 45 BBL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750098	NBU 1022-27A		NENE	27	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	5/19/2010			<u>6/7/10</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 5/19/2010 AT 09:00 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750096	FEDERAL 1022-27H		SENE	27	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>A</u>	99999	<u>17626</u>	5/19/2010			<u>6/7/10</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 5/19/2010 AT 14:00 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

ANDY LYTLE

Name (Please Print)

Signature

REGULATORY ANALYST

Title

5/20/2010

Date

RECEIVED

MAY 25 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0473
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: FEDERAL 1022-27H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1597 FNL 1182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047500960000
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/17/2016 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>The FEDERAL 1022-27H well was returned to production on 11/17/2016. Thank you.</p> </div> <div style="width: 35%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>November 29, 2016</p> </div> </div>		
NAME (PLEASE PRINT) Candice Barber		PHONE NUMBER 435 781-9749
SIGNATURE N/A		TITLE HSE Representative
DATE 11/22/2016		